

# INDEX KEWENSIS

SUPPLEMENT XIX



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ROYAL BOTANIC GARDENS  
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# INDEX KEWENSIS

SUPPLEMENT NINETEEN

NAMES OF SEED-BEARING PLANTS AT THE RANK OF FAMILY  
AND BELOW

PUBLISHED BETWEEN

JANUARY 1986 AND THE END OF 1990

WITH SOME OMISSIONS FROM EARLIER YEARS

COMPILED BY

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K. M. LLOYD

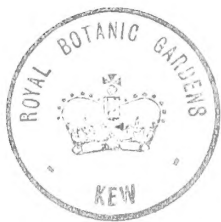
EDITED BY

R. A. DAVIES

AT THE HERBARIUM OF THE ROYAL BOTANIC GARDENS  
KEW

CLARENDON PRESS · OXFORD

1991



*Oxford University Press, Walton Street, Oxford OX2 6DP*

*Oxford New York Toronto  
Delhi Bombay Calcutta Madras Karachi  
Petaling Jaya Singapore Hong Kong Tokyo  
Nairobi Dar es Salaam Cape Town  
Melbourne Auckland*

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Berlin Ibadan*

*Oxford is a trade mark of Oxford University Press*

*Published in the United States  
by Oxford University Press, New York*

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*British Library Cataloguing in Publication Data  
A cataloguing record for this book is available  
from the British Library  
ISBN 0-19-854676-9*

*Library of Congress Cataloging in Publication Data  
Data available  
ISBN 0-19-854676-9*

*Typeset by Promenade Graphics Ltd., Cheltenham*

*Printed by Bookcraft Ltd,  
Midsomer Norton, Avon*

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# FOREWORD

Supplement XIX of *Index Kewensis* follows a similar format to Supplement XVIII. Entries for 1986–9 have already been published in the annual *Kew Index* for those years. Some of the records have been corrected within this time, and in such cases the original incorrect record does not appear in this supplement. The printed annual *Kew Index* has been discontinued, but there are plans for a CD-ROM version of the complete *Index Kewensis* including all the published supplements as well as the original two-volume work. This electronic version is due to appear in 1992.

We have scanned books and journals received in the *Index Kewensis* office by 31 December 1990 or seen at the Natural History Museum (BM) during the five years.

Names at all taxonomic ranks from family downwards are included. Names at ranks above genus are arranged alphabetically under families in a separate sequence at the beginning. Names at the rank of genus downwards are arranged alphabetically under genus headings. These are followed by a section containing a list of new genera in alphabetic order under family.

At each rank there are three categories of names: new taxon, new name (nom. nov.), and new combination.

An entry can be divided up as follows: Name, Author, Bibliographic details, and either geography if a new taxon of specific or infraspecific rank, or replaced synonym if a new name, or basionym if a new combination.

## **Name**

The spelling of names is changed, if they are incorrect, in accordance with the appropriate Article of the International Code of Botanical Nomenclature (ICBN). Each genus is assigned to a family according to the list of families agreed by Kew, the Natural History Museum (BM), and the Royal Botanic Garden Edinburgh (E).

## **Authorship**

The author of the basionym appears in brackets before the publishing author in entries of new combinations and is quoted in the form given by the publishing author, without any attempt to standardize abbreviations. The name of the publishing author is always given in full, again irrespective of any list of standard abbreviations.

## *Use of 'ex'*

A recurring problem in citation of authorship is whether to use 'in' or 'ex' when a name is attributed to one person in a publication of which someone else is the author. We look forward to the recommendations of the special committee set up at the 14th International Congress in Berlin (1987).

**Bibliographic details**

The same journal abbreviations are used as are found in the *Kew Record of Taxonomic Literature relating to Vascular Plants*. New journal title abbreviations are published regularly in *Kew Record*.

**Nomenclatural status**

A note is sometimes added after the bibliographic details, indicating the following:

- (1) the original spelling of the epithet if it has been changed;
- (2) the original status of a name, if incorrectly stated by the author, such as when an author writes 'sp. nov.' where 'nom. nov.' or 'comb. nov.' is appropriate;
- (3) the term 'nom. nov.', used to indicate an avowed substitute for a previously validly published name according to Arts. 7.11 and 33.2 of ICBN;
- (4) details which might affect nomenclatural validity, as defined by the ICBN;
- (5) the term 'isonym', used to indicate a new combination which has already been made by another author; we do not go out of our way to find this information but it is included if known.

**Geography**

Countries are listed for specimens cited in the article, not where they might occur. If the distribution range is wide, the country of the type collection is given first. Geography is not stated for ranks above species level.

**Basionym/replaced synonym**

Sometimes the basionyms are names published some years ago when symbols were used instead of the name of the rank, e.g. \*\*\*\* or letters from the Greek alphabet. Where possible, we reproduce these as they appear in the original publication.

**Corrected entries**

A dagger (†) at the end of an entry indicates the corrected re-entry of a name cited in an earlier volume.

**Transliteration**

Cyrillic characters have been transliterated in accordance with *British Standard 2979(1958): Transliteration of Cyrillic and Greek Characters*.

We are grateful to Dr. R. K. Brummitt for nomenclatural advice and the Kew Computer Department for processing the data.

Royal Botanic Gardens  
Kew  
January 1991

G. T. PRANCE  
Director



# INDEX KEWENSIS

## SUPPLEMENT NINETEEN NAMES OF ALL RANKS ABOVE GENUS UP TO AND INCLUDING FAMILY

### AIZOACEAE-GESNERIACEAE

#### AIZOACEAE

- subfam. **Aptenioideae** Schwantes ex V. Bittrich & H.E.K. Hartmann in Bot. J. Linn. Soc., 97(3): 250 (1988).  
subfam. **Ruschioideae** Schwantes ex V. Bittrich & H.E.K. Hartmann in Bot. J. Linn. Soc., 97(3): 251 (1988).

#### ANACARDIACEAE

- subfam. **Dobineoideae** (Engler) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 180 (1987): tribus Dobineae.  
subfam. **Julianoideae** (Hemsley) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 180 (1987): fam. Julianiaceae.  
subfam. **Pistacioideae** (Caruel) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 180 (1987): fam. Pistaciaceae.  
subfam. **Spondioideae** (Kunth) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 180 (1987): fam. Spondiaceae.

#### APOCYNACEAE

- tribus **Anodendreae** Trần Đình Lý in Feddes Repert., 97(5-6): 272 (1986), without latin descr.  
subfam. **Carissoideae** Trần Đình Lý in Feddes Repert., 97(5-6): 266 (1986), without latin descr.

#### APODANTHACEAE

- fam. **Apodanthaceae** (R. Br.) Van Tieghem ex A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 42 (1987): tribus Apodanthae.

#### ARGOPHYLLACEAE

- fam. **Argophyllaceae** (Engler) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 208 (1987): Saxifragaceae tribus Argophylleae.

#### BORAGINACEAE

- subtribus **Erित्रichiinae** D.N. Dobrochaeva in Novosti Sist. Vyssh. Nizsh. Rast. (Kiev), 1976: 124 (1976 publ. 1977).

#### BROMELIACEAE

- tribus **Brocchiniae** G.S. Varadarajan & A.J. Gilmartin in Syst. Bot., 13(2): 295 (1988).

#### BRUNIACEAE

- subfam. **Berzelioideae** (Nakai) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 145 (1987): fam. Berzeliaceae.

#### CACTACEAE

- linea **Cerei** (Salm-Dyck) R. Mottram, Contrib. New Class. Cact. Fam.: 4 (1990): tribus Cereastreae.  
linea **Echinocacti** (Britton & Rose) R. Mottram, Contrib. New Class. Cact. Fam.: 4 (1990): subtribus Echinocactinae.  
linea **Parodiae** R. Mottram, Contrib. New Class. Cact. Fam.: 6 (1990).  
subtribus **Pfeifferinae** S.A. Volgin in Feddes Repert., 97(9-10): 563 (1986).

#### CACTACEAE :-

- linea **Rebutiae** (Donald) R. Mottram, Contrib. New Class. Cact. Fam.: 7 (1990): subtribus Rebutiinae.  
subtribus **Schlumbergerinae** S.A. Volgin in Feddes Repert., 97(9-10): 563 (1986).

#### CALLIGONACEAE

- fam. **Calligonaceae** P. Khalkuziev in Dokl. Akad. Nauk Uzb. SSR, 1985(11): 45 (1985).

#### CAMPANULACEAE

- tribus **Annaea** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
tribus **Azorineae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
subfam. **Canarinoideae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1574 (1987).  
tribus **Echinocodoneae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
tribus **Gadelliae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1576 (1987).  
tribus **Muehlbergellae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
tribus **Musschieae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
tribus **Mzymteleae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1578 (1987).  
tribus **Neocodoneae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1577 (1987).  
subfam. **Prismatocarpoideae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1574 (1987).  
tribus **Sachokieleae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1578 (1987).  
tribus **Sergieae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1577 (1987).  
tribus **Theodorovieae** A.A. Kolakovskii in Bot. Zhurn., 72(12): 1575 (1987).  
subfam. **Wahlenbergioideae** (Endl.) A.A. Kolakovskii in Bot. Zhurn., 72(12): 1574 (1987): tribus Wahlenbergiae.

#### CHENOPODIACEAE

- subtribus **Physandreae** (Bunge) U. Prato, Rod Climacoptera Botsch.: 61 (1986), without basionym ref.: subdiv. Physandreae.

#### CHRYSOBALANACEAE

- tribus **Couepieae** G.T. Prance & F. White in Phil. Trans. Roy. Soc. London, B, 320(1197): 78 (1988).  
tribus **Hirtelleae** G.T. Prance & F. White in Phil. Trans. Roy. Soc. London, B, 320(1197): 79 (1988): Rosaceae subtribus Hirtellinae.  
tribus **Parinarieae** G.T. Prance & F. White in Phil. Trans. Roy. Soc. London, B, 320(1197): 78 (1988).

#### COMMELINACEAE

- subfam. **Cartonematoideae** (Pichon) R. Faden ex G.C. Tucker in J. Arnold Arbor., 70(1): 99 (1989): Cartonemataceae.

#### COMPOSITAE

- tribus **Pluchaeae** A.A. Anderberg in Canad. J. Bot., 67(8): 2293 (1989), as '(Benth.)'.

#### CONNARACEAE

- tribus **Jollydoreae** (Gilg) R.H.M.J. Lemmens in Agric. Univ. Wageningen Pap., 89(6): 116 (1989): Jollydoroideae.  
tribus **Manoteae** R.H.M.J. Lemmens in Agric. Univ. Wageningen Pap., 89(6): 116 (1989).

#### CONOSTYLIDACEAE

- fam. **Conostylidaceae** (Pax) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 313 (1987): Amaryllidaceae tribus Conostylidae.

#### CUCURBITACEAE

- subtribus **Actinostemmatinae** C. Jeffrey in Biol. & Utiliz. Cucurbitac. (ed. D.M. Bates et al.): 450 (1990).  
subtribus **Cyclantherinae** C. Jeffrey in Biol. & Utiliz. Cucurbitac. (ed. D.M. Bates et al.): 461 (1990).  
subtribus **Sicyinae** C. Jeffrey in Biol. & Utiliz. Cucurbitac. (ed. D.M. Bates et al.): 462 (1990).

#### CURTISIACEAE

- fam. **Curtisiaceae** (Harms) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 214 (1987): Cornaceae subfam. Curtisiidae.

#### CYPERACEAE

- tribus **Koyamaeae** W.W. Thomas & G. Davidse in Syst. Bot., 14(2): 189 (1989).

#### DACTYLANTHACEAE

- fam. **Dactylanthaceae** (Engler) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 43 (1987): Balanophoraceae subfam. Dactylanthoideae.

#### DROSOPHYLLACEAE

- fam. **Drosophyllaceae** J. Chrtek, Z. Slavikova & M. Studnicka in Preslia, 61(2): 122 (1989).

#### EUPHORBIACEAE

- tribus **Benoistieae** A. Radcliffe-Smith in Kew Bull., 43(4): 632 (1988).  
subtribus **Cleidiocarpinae** N.N. Thin in J. Biol. (Vietnam), 10(2): 32 (1988).  
subtribus **Lobanilinae** A. Radcliffe-Smith in Kew Bull., 44(2): 339 (1989).  
tribus **Martretieae** Köhler ex J. Léonard in Bull. Jard. Bot. Nation. Belg., 59(3-4): 326 (1989).

#### EUPHRONIACEAE

- fam. **Euphroniaceae** L. Marcano-Berti in Pittieria, 18: 16 (1989); et in Ernstia, 57: 5 (1990).

#### FLACOURTIACEAE

- tribus **Poliothyrsieae** G.S. Fan in J. Wuhan Bot. Res., 8(2): 136 (1990).

#### GESNERIACEAE

- tribus **Titanotrichaeae** Yamazaki ex W.T. Wang in Fl. Reipubl. Popul. Sin., 69: 577 (1990).

## GRAMINEAE

- subtribus **Arthrostylidiinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- tribus **Atractocarpeae** (E.-G. Camus) Jacq.-Félix ex N.N. Tsvelev in Komarov. Chten., 37: 22 (1987): subtribus Atractocarpeae.
- subtribus **Chusqueinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- tribus **Dendrocalameae** (Benth.) Keng ex N.N. Tsvelev in Komarov. Chten., 37: 20 (1987): subtribus Dendrocalameae.
- tribus **Guaduelleae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- subtribus **Guaduinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- tribus **Leptaspideae** N.N. Tsvelev in Komarov. Chten., 37: 25 (1987).
- supertribus **Maydatae** (Mathieu) L. Liou in Acta Phytotax. Sin., 26(1): 14 (1988): tribus Maydeae.
- subtribus **Miscanthinae** L. Liou in Acta Phytotax. Sin., 26(1): 24 (1988).
- subtribus **Monerminae** (C.E. Hubb.) N.N. Tsvelev in Komarov. Chten., 37: 33 (1987): tribus Monermeae.
- subtribus **Nastinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- subtribus **Neurachninae** (S.T. Blake) W.D. Clayton & S.A. Renvoize, Genera Graminum (Kew Bull. Addit. Ser. 13): 377 (1986): tribus Neurachneae.
- subtribus **Neurolepidinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- supertribus **Olyrodae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- subfam. **Oryzoideae** H. Duistermaat in Blumea, 32(1): 158 (1987).
- tribus **Oxytenanthereae** N.N. Tsvelev in Komarov. Chten., 37: 22 (1987).
- tribus **Puelieae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- subtribus **Schizostachyidinae** T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988).
- subtribus **Scolochloinae** (Tzvel.) N.N. Tsvelev in Komarov. Chten., 37: 33 (1987): tribus Scolochloae.
- subtribus **Shibataeinae** (Nakai) T.R. Soderstrom & R.P. Ellis in T.R. Soderstrom et al. (eds.), Grass Syst. & Evol.: 238 (1987 publ. March 1988): tribus Shibataeae.

## GRISELINIACEAE

- fam. **Griselinaceae** (Wangerin) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 209 (1987): Cornaceae tribus Griseliniaceae.

## GUMILLEACEAE

- fam. **Gumilleaceae** G. Kunkel, Pl. Human Consumption: 174 (1984), provisional name without latin descr.

## HAEMODORACEAE

- subfam. **Conostyliodoideae** (Lindley) T.D. Macfarlane & S.D. Hopper in Fl. Australia, 45: 454 (1987): Haemodoraceae tribus Conostyliodeae.
- tribus **Tribonantheae** T.D. Macfarlane & S.D. Hopper in Fl. Australia, 45: 454, 131 (1987).

## HAMAMELIDACEAE

- subtribus **Dicoryphinae** P.K. Endress in Taxon, 38(3): 374 (1989).
- subtribus **Loropetalinae** P.K. Endress in Taxon, 38(3): 374 (1989).

## HOSTACEAE

- fam. **Hostaceae** B. Mathew in Kew Bull., 43(2): 302 (1988).

## JUGLANDACEAE

- subfam. **Engelhardtioideae** I.A. Il'inskaya in Bot. Zhurn., 75(6): 793 (1990), as 'Engelhardioideae'.

## LACANDONIACEAE

- fam. **Lacandoniaceae** E. Martínez & C.H. Ramos in Ann. Missouri Bot. Gard., 76(1): 128 (1989).

## LANARIACEAE

- fam. **Lanariaceae** Huber ex R. Dahlgren in Goldblatt & Lowry (eds.) 1985 AETFAT Proc. (Monogr. Syst. Bot. Missouri Bot. Gard. 25): 71 (1988).

## LARDIZABALACEAE

- subfam. **Decaisneioideae** H. Loconte & J.R. Estes in Syst. Bot., 14(4): 574 (1989).
- tribus **Sinofranchetiae** H. Loconte & J.R. Estes in Syst. Bot., 14(4): 575 (1989).
- tribus **Sinofranchetiae** H.N. Qin & Y.C. Tang in Cathaya, 1: 80 (1989).
- tribus **Stauntoniae** H.N. Qin & Y.C. Tang in Cathaya, 1: 80 (1989).

## LEGUMINOSAE

- tribus **Alhagiaceae** (DC.) A. Pramanik & K. Thothathri in Bull. Bot. Surv. India, 28(1-4): 200 (1986 publ. 1988): subtribus Alhagiinae.
- subtribus **Pseudarthriinae** (Hutch.) A. Pramanik & K. Thothathri in Taxon, 38(1): 109 (1989): tribus Pseudarthriaceae.
- subtribus **Trigonellinae** (Schulz) E. Small in C.H. Stirtton (ed.), Advances in Legume System., 3: 177 (1987): tribus Papilionatae-Trigonelleae.

## MEDEOLACEAE

- fam. **Medeolaceae** (S. Watson) A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 291 (1987): Liliaceae subtribus Medeoleae.

## MELIACEAE

- tribus **Nymanieae** F. White in Bothalia, 16(2): 145 (1986).

## MONIMIACEAE

- subfam. **Glossocalycoideae** Thorne ex W.R. Philipson in Nordic J. Bot., 8(1): 24 (1988).
- tribus **Hennecartieae** W.R. Philipson in Nordic J. Bot., 7(1): 28 (1987), without latin descr.
- tribus **Hennecartieae** W.R. Philipson in Nordic J. Bot., 8(1): 24 (1988).
- tribus **Palmerieae** W.R. Philipson in Nordic J. Bot., 7(1): 28 (1987), without latin descr.
- tribus **Palmerieae** W.R. Philipson in Nordic J. Bot., 8(1): 24 (1988).
- tribus **Peumieae** (Schodde) W.R. Philipson in Nordic J. Bot., 7(1): 28 (1987), without basionym ref.: Monimiaceae subfam. Peumioideae.
- tribus **Peumieae** (Schodde) W.R. Philipson in Nordic J. Bot., 8(1): 24 (1988): subfam. Peumioideae.

## MONOTACEAE

- fam. **Monotaceae** A.J.G.H. Kostermans in Taxon, 38(1): 123 (1989), isonym; see A. Takhtadzhyan, Sistema Magnoliifitov: 129 (1987).
- fam. **Monotaceae** (Gilg) Maury ex A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 129 (1987): Dipterocarpaceae subfam. Monotoideae.

## MYSTROPETALACEAE

- fam. **Mystropetalaceae** (Engler) A.L. Takhtadzhyan in Bot. Zhurn., 75(5): 698 (1990): Balanophoraceae subfam. Mystropetalaceae.
- subfam. **Langsdorfioideae** (Engler) A.L. Takhtadzhyan in Bot. Zhurn., 75(5): 698 (1990): Balanophoraceae tribus Langsdorfieae.

## NELSONIACEAE

- fam. **Nelsoniaceae** G. Kunkel, Pl. Human Consumption: 245 (1984), nom. nov. but without repl. syn. date: Acanthaceae I. Nelsonioideae Engler

## NYMPHAEACEAE

- subfam. **Nupharioideae** (Endl.) M. Ito in Bot. Mag. Tokyo, 100(1057): 33 (1987): Nymphaeaceae tribus Nuphaeae.

## ORCHIDACEAE

- subtribus **Arpophyllinae** R.L. Dressler in Lindleyana, 5(2): 124 (1990).
- subtribus **Arundinae** R.L. Dressler in Lindleyana, 5(2): 124 (1990).
- subtribus **Bromheadiinae** R.L. Dressler in Lindleyana, 5(2): 124 (1990).
- subtribus **Coeliinae** R.L. Dressler in Lindleyana, 5(2): 124 (1990).
- tribus **Diceratosteleae** R.L. Dressler in Lindleyana, 5(2): 114 (1990).
- tribus **Diplandrorchieae** L.V. Aver'yanov in Bot. Zhurn., 75(7): 1017 (1990).
- subtribus **Galeolinae** L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 233 (1986).
- subtribus **Goveniinae** R.L. Dressler in Lindleyana, 5(2): 124 (1990).
- tribus **Nervilieae** (Schlechter) R.L. Dressler in Lindleyana, 5(2): 124 (1990): subtribus Nerviliinae.
- subfam. **Neuwiedioideae** P. Burns-Balogh & V.A. Funk in Smithsonian Contrib. Bot., 61: 53 (1986).
- tribus **Palmorchideae** (Dressler) R.L. Dressler in Lindleyana, 5(2): 124 (1990): subtribus Palmorchidinae.
- tribus **Prasophylleae** (Schlechter) P. Burns-Balogh & V.A. Funk in Smithsonian Contrib. Bot., 61: 54 (1986), without basionym ref.: Basionym not stated.
- subtribus **Prescottiiinae** R.L. Dressler in Lindleyana, 5(2): 115 (1990).
- tribus **Pterostylideae** (Schlechter) P. Burns-Balogh & V.A. Funk in Smithsonian Contrib. Bot., 61: 56 (1986), without basionym ref.: Basionym not stated.

## PAIVAEUSACEAE

- fam. **Paivaesaceae** A.D.J. Meeuse, Euphorbiac. Auct. Pl., an Unnatural Taxon: 30 (1990), nom. nov.: Euphorbiaceae subfam. Oldfieldioideae Köhler & Webster.

## PALMAE

- subtribus **Archontophoenicinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 8 (1986).
- subtribus **Beccariophoenicinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 10 (1986).
- subtribus **Coryphinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 4 (1986).
- subtribus **Cyrtostachyidinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 8 (1986).
- subtribus **Euterpeinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 7 (1986).
- subtribus **Leopoldiniinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 7 (1986).
- subtribus **Manicariinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 7 (1986).
- subtribus **Oncocalaminae** J. Dransfield & N.W. Uhl in Principes, 30(1): 8 (1986).
- subtribus **Oraniinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 7 (1986).
- subtribus **Pigafettinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 5 (1986).
- subtribus **Plectocomiinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 5 (1986).
- tribus **Podococceae** J. Dransfield & N.W. Uhl in Principes, 30(1): 6 (1986).
- subtribus **Roystoneinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 7 (1986).
- subtribus **Sclerospermatinae** J. Dransfield & N.W. Uhl in Principes, 30(1): 9 (1986).

## PAPAVERACEAE

- subtribus **Discocapninae** M. Lidén in Op. Bot., 88: 104 (1986).
- subtribus **Sarcocapninae** M. Lidén in Op. Bot., 88: 29 (1986).

## PEGANACEAE

- fam. **Peganaceae** (Engler) Van Tieghem ex A. Takhtadzhyan, Sistema Magnoliifitov (Systema Magnoliophytorum): 178 (1987): Zygophyllaceae subfam. Peganioideae.

## PINACEAE

- subfam. **Piceoideae** M.P. Frankis in Notes Roy. Bot. Gard. Edinburgh, 45(3): 544 (1988 publ. 1989).



**POLYGALACEAE**

- subfam. **Moutabeoideae** (Endlicher) A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 192 (1987): fam. Moutabeaceae.
- subfam. **Xanthophylloideae** (Gagnepain) A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 192 (1987): fam. Xanthophyllaceae.

**PORTULACACEAE**

- tribus **Anacampserieae** B.L. Nyananyo in Feddes Rept., 101(5-6): 239 (1990), without basionym ref.: Basionym not stated.

**POTTINGERIACEAE**

- fam. **Pottingeriaceae** (Engler) A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 212 (1987): Saxifragaceae tribus Pottingerieae

**RANUNCULACEAE**

- subtribus **Asteropyrinae** (W.T. Wang & C.Y. Chang) M. Tamura & K. Kosuge in Acta Phytotax. Geobot., 40(1-4): 33 (1989): tribus Asteropyreae.
- subtribus **Beesiinae** M. Tamura in Acta Phytotax. Geobot., 41(1-3): 98 (1990).
- subtribus **Coptidinae** M. Tamura & K. Kosuge in Acta Phytotax. Geobot., 40(1-4): 33 (1989).
- subtribus **Dichocarpinae** M. Tamura & K. Kosuge in Acta Phytotax. Geobot., 40(1-4): 33 (1989).
- tribus **Nigelleae** Langlet ex M. Tamura in Acta Phytotax. Geobot., 41(1-3): 99 (1990).

**REHMANNIACEAE**

- fam. **Rehmanniaceae** G. Kunkel, Pl. Human Consumption: 304 (1984), provisional name without latin descr.

**RHOPALOCARPACEAE**

- fam. **Rhopalocarpaceae** Hemsley ex A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 130 (1987), nom. nov.: Bixaceae tribus Sphaerosepaleae Warburg.

**RIPOGONACEAE**

- fam. **Ripogonaceae** Huber ex A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 306 (1987), isonym; see J.G. Conran & H.T. Clifford in Nordic J. Bot., 5(3): 219 (1985).

**ROSACEAE**

- subtribus **Coluriinae** (Rydb.) E.I. Golubkova in Bot. Zhurn., 72(6): 777 (1987): Rosaceae tribus Colurieae.

**RUBIACEAE**

- tribus **Aulacocalyceae** E. Robbrecht & C. Puff in Bot. Jahrb., 108(1): 123 (1986).
- tribus **Brachytomeae** D.D. Tirvengadum in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(3): 292 (1986).
- tribus **Prismatomereae** Y.Z. Ruan in Acta Phytotax. Sin., 26(6): 446 (1988).

**SARCOPHYTACEAE**

- fam. **Sarcophytaceae** (Engler) Van Tieghem ex A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 43 (1987): Balanophoraceae subfam. Sarcophytoideae.

**SMILACACEAE**

- subfam. **Luzuriagoideae** (Engl.) J.G. Conran & H.T. Clifford in Fl. Australia, 46: 231 (1986): Liliaceae subfam. Luzuriagoideae.
- subfam. **Petermannioideae** (Hutch.) J.G. Conran & H.T. Clifford in Fl. Australia, 46: 230 (1986): fam. Petermanniaceae.
- subfam. **Ripogonoideae** (Conran & Cliff.) J.G. Conran & H.T. Clifford in Fl. Australia, 46: 230 (1986): fam. Ripogonaceae.

**SOLANACEAE**

- subfam. **Anthocercidoideae** P. Tétényi in Ann. Missouri Bot. Gard., 74(3): 607 (1987).
- subfam. **Atropoideae** P. Tétényi in Ann. Missouri Bot. Gard., 74(3): 607 (1987).

**TAPISCIACEAE**

- fam. **Tapisciaceae** (F. Pax) A. Takhtadzhyan, Sistema Magnoliofitov (Systema Magnoliophytorum): 171 (1987): Staphyleaceae subfam. Tapiscioideae.

**TAXODIACEAE**

- subfam. **Taiwanioideae** L.C. Li in Acta Bot. Yunnanica, 11(2): 123 (1989).

**TECOPHILAEACEAE**

- subfam. **Wallerioideae** R. Dahlgren in Goldblatt & Lowry (eds.) 1985 AETFAT Proc. (Monogr. Syst. Bot. Missouri Bot. Gard. 25): 75 (1988).

**THEACEAE**

- tribus **Schimeae** C.X. Ye in Acta Sci. Nat. Univ. Sunyatseni, 29(1): 79 (1990).

**TRISTICHACEAE**

- subfam. **Weddellinoideae** (Engler) C. Cusset & G. Cusset in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 10(2): 169 (1988): Podostemonaceae subfam. Weddellinoideae.

**VIOLACEAE**

- subfam. **Fusispermoideae** W.H.A. Hekking in Proc. Kon. Nederl. Akad. Wetensch., C, 87(2): 128 (1984).

**ZYGOPHYLLACEAE**

- subfam. **Tetraenoideae** Y.C. Ma & S.Z. Zhang in Acta Phytotax. Sin., 28(2): 93 (1990).



# INDEX KEWENSIS

## SUPPLEMENT NINETEEN

### NAMES AT GENERIC RANK AND BELOW

#### ABAREMA-ACACIA

#### A

##### ABAREMA (Legumin.).

- curvicarpa* (Irwin) R.C. Barneby & J.W. Grimes in *Acta Amazonica*, 14(1-2 Suppl.): 95 (1984 publ. 1986): Pithecellobium *curvicarpum*.  
*moniliformis* (Ducke) R.C. Barneby & J.W. Grimes in *Acta Amazonica*, 14(1-2 Suppl.): 95 (1984 publ. 1986): Pithecellobium *moniliforme*.  
*piresii* R.C. Barneby & J.W. Grimes in *Acta Amazonica*, 14(1-2 Suppl.): 96 (1984 publ. 1986)—Brazil.

##### ABELIA (Caprifoliac.).

- coreana*  
*var. insularis* (Nakai) W.T. Lee & W.K. Paik in *Korean J. Pl. Taxon.*, 19(3): 149 (1989): A. *insularis*.

##### ABELIOPHYLLUM (Oleac.).

- distichum*  
*f. eburneum* T.B. Lee in *J. Korean Pl. Taxon.*, 7(1-2): 22 (1976), without type—Korea.  
*var. obtuscarpum* T.B. Lee in *J. Korean Pl. Taxon.*, 7(1-2): 22 (1976)—Korea.  
*f. viridicalycinum* T.B. Lee in *J. Korean Pl. Taxon.*, 7(1-2): 22 (1976), without type—Korea.

##### ABELMOSCHUS (Malvac.).

- caillei* (A. Chev.) J.M.C. Stevels in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, 2, 10(2): 138 (1988): *Hibiscus manihot* *var. caillei*.  
*moschatus*  
*var. lanyunatus* S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 3; *Colour. Illustr. Ligneous Pl. Taiwan*, 1: 414 (1987)—Taiwan.  
*officinalis* Endl., *Cat. Horti Vindob.*, 2: 253 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984)—Locality not stated.  
*pseudomanihot* (DC.) Endl., *Cat. Horti Vindob.*, 2: 253 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): *Hibiscus pseudomanihot*.

##### ABIES (Pinac.).

- sect. Amabilis* (Matzenko) A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 69 (1989): A. ser. *Amabiles*.  
*subsect. Delavayianae* A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 70 (1989).  
*subsect. Firmae* (Franco) A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 69 (1989): A. ser. *Firmae*.  
*subsect. Hickelianae* A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 70 (1989).  
*subsect. Holophyllae* A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 71 (1989).  
*subsect. Homolepides* (Franco) A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 69 (1989): A. ser. *Homolepides*.  
*subsect. Religiosae* (Matzenko) A. Farjon & K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 70 (1989): A. ser. *Religiosae*.

##### ABIES :-

- alba*  
*var. pardei* (Gaussen) J. Silba in *Phytologia*, 68(1): 9 (1990): A. *pardei*.  
*chensiensis*  
*var. salouensis* (Bordères-Rey & Gaussen) J. Silba in *Phytologia*, 68(1): 10 (1990): A. *salouensis*.  
*var. yulongxueshanensis* (Rushforth) J. Silba in *Phytologia*, 68(1): 10 (1990): A. *chensiensis* subsp. *yulongxueshanensis*.  
*cilicica*  
*var. borisii-regis* (Mattf.) J. Silba in *Phytologia*, 68(1): 11 (1990): A. *borisii-regis*.  
*colimensis* K.D. Rushforth & Narave in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 105 (1989)—Mexico.  
*concolor*  
*var. baja-californica* J. Silba in *Phytologia*, 68(1): 11 (1990)—Mexico.  
*var. martinezii* J. Silba in *Phytologia*, 68(1): 12 (1990)—Mexico.  
*dayuanensis* Q.X. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 85 (1988)—China.  
*delavayi*  
*var. nukiangensis* (Cheng & Fu) Farjon & J. Silba in *Phytologia*, 68(1): 13 (1990): A. *nukiangensis*.  
*faberi*  
*var. beshanzuensis* (Wu) J. Silba in *Phytologia*, 68(1): 13 (1990): A. *beshanzuensis*.  
*var. minensis* (Bordères-Rey & Gaussen) J. Silba in *Phytologia*, 68(1): 14 (1990): A. *minensis*.  
*subsp. minensis* (Bordères-Rey & Gaussen) K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 273 (1986): A. *minensis*.  
*var. ziyuanensis* (Fu & Mo) J. Silba in *Phytologia*, 68(1): 14 (1990): A. *ziyuanensis*.  
*targesii*  
*var. fanjingshanensis* (Huang, Tu & Fu) J. Silba in *Phytologia*, 68(1): 15 (1990): A. *fanjingshanensis*.  
*var. hupehensis* J. Silba in *Phytologia*, 68(1): 15 (1990)—China.  
*finckii* K.D. Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 101 (1989)—Mexico.  
*forrestii*  
*var. chayuensis* (Cheng & Fu) J. Silba in *Phytologia*, 68(1): 16 (1990): A. *chayuensis*.  
*var. chengii* (Rushforth) J. Silba in *Phytologia*, 68(1): 17 (1990): A. *chengii*.  
*var. ferreana* (Bordères-Rey & Gaussen) Farjon & J. Silba in *Phytologia*, 68(1): 17 (1990): A. *ferreana*.  
*grandis*  
*var. idahoensis* J. Silba in *Phytologia*, 68(1): 19 (1990)—U.S.A. (Idaho, Montana), Canada (British Columbia).  
*hickelii*  
*var. oaxacana* (Martínez) Farjon & J. Silba in *Phytologia*, 68(1): 20 (1990): A. *oaxacana*.  
*nordmanniana*  
*var. bornmuelleriana* (Mattf.) J. Silba in *Phytologia*, 68(1): 21 (1990): A. *bornmuelleriana*.  
*xolcayana* C. Ata & N. Merev in *Commonw. Forest. Rev.*, 66(3): 224 (1987), without latin descr. or type—Turkey.

##### ABIES :-

- recurvata*  
*var. ernstii* (Rehd.) C.T. Kuan in *Fl. Sichuanica*, 2: 46 (1983): A. *ernestii*.  
*var. salouensis* (Bordères-Rey & Gaussen) C.T. Kuan in *Fl. Sichuanica*, 2: 48 (1983): A. *salouensis*.  
*spectabilis*  
*var. langtangensis* J. Silba in *Phytologia*, 68(1): 22 (1990)—Nepal.

##### ABILDGAARDIA (Cyperac.).

- acutespicata* K.A. Lye in *Nordic J. Bot.*, 7(1): 42 (1987)—Zambia.  
*angustepicata* K.A. Lye in *Nordic J. Bot.*, 7(1): 43 (1987)—Tanzania.  
*densiflora* K.A. Lye in *Nordic J. Bot.*, 7(1): 41 (1987)—Zambia.  
*disticha* K.A. Lye in *Nordic J. Bot.*, 6(6): 765 (1986)—Brazil.  
*lacunosa* K.A. Lye in *Nordic J. Bot.*, 7(1): 44 (1987)—Zambia.  
*microcephala* K.A. Lye in *Nordic J. Bot.*, 7(1): 46 (1987)—Zambia.  
*microrotundata* K.A. Lye in *Nordic J. Bot.*, 7(1): 47 (1987)—Tanzania.  
*pluricephala* K.A. Lye in *Nordic J. Bot.*, 7(1): 49 (1987)—Zambia.  
*squarrosa* K.A. Lye in *Nordic J. Bot.*, 7(1): 39 (1987)—Kenya.

##### ABOLBODA (Xyridac.).

- scabrida* R. Kral in *Ann. Missouri Bot. Gard.*, 76(4): 975 (1989)—Venezuela.

##### ABROMEITIELLA (Bromeliac.).

- scapigera* W. Rauh & L. Hromadnik in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 5 (1987)—Bolivia.

##### ABRONIA (Nyctaginac.).

- nana*  
*var. harrisii* S.L. Welsh in *Great Basin Nat.*, 46(2): 258 (1986)—U.S.A. (Utah).

##### ABUTILON (Malvac.).

- sect. Mexabutylon* P.A. Fryxell, *Malvac. of Mexico* (*Syst. Bot. Monog.*, 25): 25 (1988).  
*sect. Pluriovulata* P.A. Fryxell, *Malvac. of Mexico* (*Syst. Bot. Monog.*, 25): 25 (1988).  
*burandtii* P.A. Fryxell in *Syst. Bot.*, 12(2): 274 (1987)—Venezuela.  
*neelgherrense*  
*var. fischeri* T.K. Paul & M.P. Nayar in *Bull. Bot. Surv. India*, 25(1-4): 183 (1983 publ. 1985)—India.

##### ACACIA (Legumin.).

- acronastes* L. Pedley in *Austrobaileya*, 3(2): 297 (1990)—Australia (Queensland).  
*adenogonia* (Pedley) R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 203 (1990): *Racosperma adenogonium*.

- ACACIA** :-  
 alcockii B.R. Maslin & D.J.E. Whibley in *Nuytsia*, 6(1): 19 (1987)—Australia (S. Australia).  
 alvaroi L. Cárdenas & G. De Martino in *Ernstia*, 56: 10 (1989)—Venezuela.  
 angustifolia Sterler, *Hort. Nymph.*: 1 (1821); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 armillata (Pedley) L. Pedley in *Austrobaileya*, 3(2): 215 (1990)—*Racosperma armillatum*.  
 ascendens B.R. Maslin in *Nuytsia*, 7(2): 223 (1990)—Australia (W. Australia).  
 awestoniana R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 185 (1990)—Australia (W. Australia).  
 blakei  
   subsp. diphylla (Tindale) L. Pedley in *Austrobaileya*, 3(2): 215 (1990): A. diphylla.  
 blayana M.D. Tindale & A.B. Court in *Telopea*, 4(1): 109 (1990)—Australia (New South Wales).  
 brachypoda B.R. Maslin in *Nuytsia*, 7(2): 225 (1990)—Australia (W. Australia).  
 caeruleascens B.R. Maslin & A.B. Court in *Muelleria*, 7(1): 131 (1989)—Australia (Victoria).  
 caesariata R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 210 (1990)—Australia (W. Australia).  
 callosa Bertol., *Hort. Bonon.*, 1826: 3 (1826) et *Giorn. Arcad.*, 29: 342 (1826); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—West Indies.  
 cassicola R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 187 (1990)—Australia (W. Australia).  
 caurina R.C. Barneby & T.A. Zanoni in *Moscossa*, 5: 20 (1989)—Hispaniola (Haiti).  
 cochliacantha  
   f. houghii (Britton & Rose) D.S. Seigler & J.E. Ebinger in *Syst. Bot.*, 13(1): 14 (1988): *Poponax houghii*.  
 consobrina R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 189 (1990)—Australia (W. Australia).  
 courtii M.D. Tindale & C. Herscovitch in *Telopea*, 4(1): 115 (1990)—Australia (New South Wales).  
 cowaniana B.R. Maslin in *Nuytsia*, 7(2): 226 (1990)—Australia (W. Australia).  
 cretacea B.R. Maslin & D.J.E. Whibley in *Nuytsia*, 6(1): 27 (1987)—Australia (S. Australia).  
 cucuyo R.C. Barneby & T.A. Zanoni in *Moscossa*, 5: 14 (1989)—Hispaniola (Dominican Republic).  
 cundinamaricensis R.P. Subedar in *J. Bombay Nat. Hist. Soc.*, 86(2): 271 (1989), nom. nov.: *Poponax canescens Britton*.  
 delavayi  
   var. kunmingensis C. Chen & H. Sun in *Acta Bot. Yunnanica*, 12(3): 262 (1990)—China.  
 deltoidea  
   subsp. ampla R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 206 (1990)—Australia (W. Australia).  
 densispina M. Thulin in *Nordic J. Bot.*, 8(5): 460 (1989)—Somali Republic.  
 desmondii B.R. Maslin in *Nuytsia*, 6(1): 33 (1987), nom. nov.: A. nelsonii Maslin.  
 eremophiloides L. Pedley & P.I. Forster in *Austrobaileya*, 2(3): 277 (1986)—Australia (Queensland).  
 farnesiana  
   var. guanacastensis H.D. Clarke, D.S. Seigler & J.E. Ebinger in *Syst. Bot.*, 14(4): 562 (1989)—Costa Rica, Salvador, Guatemala, Mexico.  
 flagellaris M. Thulin in *Nordic J. Bot.*, 8(5): 461 (1989)—Somali Republic.  
 flavipila  
   var. ovalis R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 191 (1990)—Australia (W. Australia).  
 halliana B.R. Maslin in *Nuytsia*, 6(1): 36 (1987)—Australia (S. Australia, New South Wales, Victoria).  
 hexaneura P.J. Lang & R.S. Cowan in *J. Adelaide Bot. Gard.*, 13: 115 (1990)—Australia (South Australia).  
 interior (Britt. & Rose) R. McVaugh, *Fl. Novo-Galiciana*, 5: 130 (1987): *Senegalia interior*.  
 janzenii J.E. Ebinger & D.S. Seigler in *Southwest. Nat.*, 32(2): 245 (1987)—Mexico.  
 julifera  
   subsp. curvinervia (Maiden) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): A. curvinervia.  
 lanei R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 192 (1990)—Australia (W. Australia).  
 lanuginophylla R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 194 (1990), nom. nov.: A. lanuginosa C. Gardner.
- ACACIA** :-  
 lobulata R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 194 (1990)—Australia (W. Australia).  
 macdonnellensis  
   subsp. teretifolia B.R. Maslin in *Nuytsia*, 6(1): 33 (1987)—Australia (W. Australia, N. Terr.).  
 maconochieana L. Pedley in *Austrobaileya*, 2(3): 235 (1986)—Australia (N. Terr., W. Australia).  
 meiosperma (Pedley) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): *Racosperma meiospermum*.  
 metrosiderifolia Sterler, *Hort. Nymph.*: 2 (1821); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 mimica R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 212 (1990)—Australia (W. Australia).  
   var. angusta R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 214 (1990)—Australia (W. Australia).  
 moggii M. Thulin & M. Tardelli in *Willdenowia*, 17(1-2): 125 (1988)—Somali Republic.  
 ommatosperma (Pedley) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): *Racosperma ommatospermum*.  
 patagiata R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 216 (1990)—Australia (W. Australia).  
 paula M.D. Tindale & S.J. Davies in *Austral. Syst. Bot.*, 3(2): 287 (1990)—Australia (W. Australia).  
 pennatula  
   subsp. parvicephala D.S. Seigler & J.E. Ebinger in *Syst. Bot.*, 13(1): 12 (1988)—Mexico, Salvador, Honduras, Nicaragua, Venezuela.  
 piptadenioides G.P. Lewis in *Kew Bull.*, 44(1): 171 (1989)—Brazil.  
 platyacantha Bertol., *Hort. Bonon.*, 1826: 3 (1826) et *Giorn. Arcad.*, 29: 342 (1826); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—Brazil.  
 plectocarpa  
   subsp. tanumbiricensis (Maiden) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): A. tanumbiricensis.  
 polyadenia (Pedley) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): *Racosperma polyadenium*.  
 porcata P.I. Forster in *Austrobaileya*, 3(2): 261 (1990)—Australia (Queensland).  
 praemorsa P.J. Lang & B.R. Maslin in *J. Adelaide Bot. Gard.*, 13: 118 (1990)—Australia (S. Australia).  
 pringlei  
   subsp. californica (Brandege) Y.S. Lee, D.S. Seigler & J.E. Ebinger in *Syst. Bot.*, 14(1): 99 (1989): A. californica.  
 pruinescens  
   var. luhunensis C. Chen & H. Sun in *Acta Bot. Yunnanica*, 12(3): 260 (1990)—China.  
 racospermoides L. Pedley in *Austrobaileya*, 3(2): 216 (1990), nom. nov.: *Racosperma paniculatum Pedley*.  
 sousae L. Rico in *Brittonia*, 39(1): 130 (1987)—Mexico.  
 spirorbis  
   subsp. solandri (Benth.) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): A. solandri.  
 spongolita R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 195 (1990)—Australia (W. Australia).  
 stipuligera  
   subsp. glabrifolia (Maiden & Blakely) L. Pedley in *Austrobaileya*, 3(2): 216 (1990): A. stipuligera  
   var. glabrifolia.  
 torticarpa C. Gardner ex R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 217 (1990)—Australia (W. Australia).  
 undoolyana G.J. Leach in *J. Adelaide Bot. Gard.*, 11(1): 55 (1988)—Australia (N. Terr.).  
 unguicula R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 218 (1990)—Australia (W. Australia).  
 velutina Bertol., *Syll. Pl. Hort. Bot. Bonon.*, 1827: 3 (1827); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—West Indies.  
 veronica B.R. Maslin in *Nuytsia*, 7(1): 43 (1989)—Australia (W. Australia).  
 verrucula R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 197 (1990)—Australia (W. Australia).  
 villaregalis R. McVaugh, *Fl. Novo-Galiciana*, 5: 141 (1987)—Mexico.  
 vincentii R.S. Cowan & B.R. Maslin in *Nuytsia*, 7(2): 207 (1990)—Australia (W. Australia).
- ACAENA** (Rosac.).  
 berteriana Bernh., *Sel. Sem. Hort. Erfurt.*, 1835; *Linnaea II*, Lit.: 85 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- ACACIA** :-  
 emittens B.H. Macmillan in *New Zealand J. Bot.*, 27(1): 115 (1989)—New Zealand.  
 juvenca B.H. Macmillan in *New Zealand J. Bot.*, 27(1): 109 (1989)—New Zealand.
- ACALYPHA** (Euphorbiac.).  
 × cristata A. Radcliffe-Smith in *Kew Bull.*, 44(3): 443 (1989)—Kenya, Tanzania. (A. ciliata × fimbriata).  
 elizabethiae R.A. Howard in *Phytologia*, 61(1): 1 (1986), as 'elizabethae'—Windward Is.  
 × koraensis A. Radcliffe-Smith in *Kew Bull.*, 41(2): 451 (1986)—Kenya. (A. crenata × indica).  
 lanceolata  
   var. glandulosa (Muell. Arg.) A. Radcliffe-Smith in *Kew Bull.*, 44(3): 444 (1989): A. crenata var. β glandulosa.  
 × malawiensis A. Radcliffe-Smith in *Kew Bull.*, 44(3): 444 (1989)—Malawi. (A. chirindica × ornata).  
 marissima M.G. Gilbert in *Kew Bull.*, 42(2): 360 (1987)—Ethiopia.  
 monococca (Gray) L. Miller & K.N. Gandhi in *Sida*, 13(1): 123 (1988): A. gracilens var. monococca.  
 pubiflora  
   subsp. australica A. Radcliffe-Smith in *Kew Bull.*, 45(4): 678 (1990)—Australia (W. Australia).
- ACANTHANTHUS** Y. Ito, *The Cactaceae*: 354 (1981), nom. nov., repl. syn. page number 32 in error for 76: *Acantholobivia* Backbg. (Cactac.).†  
 ayacuchensis (Jhanson & Y. Ito) Y. Ito, *The Cactaceae*: 355 (1981), without full basionym ref.: ?*Acantholobivia ayacuchensis*.†  
 tegelerianus (Backbg.) Y. Ito, *The Cactaceae*: 355 (1981), without full basionym ref.: ?*Lobivia tegeleriana*.†
- ACANTHOCARPUS** (Xanthorrhoeac.).  
 canaliculatus A.S. George in *Fl. Australia*, 46: 221, 96 (1986)—Australia (W. Australia).  
 humilis A.S. George in *Fl. Australia*, 46: 221, 95 (1986)—Australia (W. Australia).  
 parviflorus A.S. George in *Fl. Australia*, 46: 221, 96 (1986)—Australia (W. Australia).  
 robustus A.S. George in *Fl. Australia*, 46: 222, 95 (1986)—Australia (W. Australia).  
 rupestris A.S. George in *Fl. Australia*, 46: 222, 96 (1986)—Australia (W. Australia).  
 verticillatus A.S. George in *Fl. Australia*, 46: 222, 94 (1986)—Australia (W. Australia).
- ACANTHOGILIA** A.G. Day & R. Moran in *Proc. Calif. Acad. Sci.*, Ser. 4, 44(7): 111 (1986). **POLEMONIACEAE**.  
 gloriosa (Brandege) A.G. Day & R. Moran in *Proc. Calif. Acad. Sci.*, Ser. 4, 44(7): 115 (1986): *Gilia gloriosa*.
- ACANTHOLIMON** (Plumbaginac.).  
 aegaeum F.K. Meyer in *Haussknechtia*, Mitt. Thuring. Bot. Ges., 3: 38 (1987)—East Aegean Is.  
 albanicum O. Schwarz & F.K. Meyer in *Haussknechtia*, Mitt. Thuring. Bot. Ges., 3: 31 (1987)—Albania.  
 anzobicum I.A. Linchevskii in *Fl. Tadzhikskoi SSR*, 8: 480, 30 (1986)—U.S.S.R. (Middle Asia).  
   var. albiflorum I.A. Linchevskii in *Fl. Tadzhikskoi SSR*, 8: 480 (1986)—U.S.S.R. (Middle Asia).  
 diversifolium O. Schwarz & F.K. Meyer in *Haussknechtia*, Mitt. Thuring. Bot. Ges., 3: 43 (1987)—Turkey.  
 echinus  
   subsp. creticum (Boiss.) K. Papanicolaou & S. Kokkini in A. Strid (ed.), *Mount. Fl. Greece*, 1: 748 (1986): A. androsaceum var. creticum.  
 gabrieljaniae N.V. Mirsoeva in *Biol. Zhurn. Arm.*, 34(9): 973 (1981), as 'gabrieljanii'—U.S.S.R. (Caucasus).  
 graccum F.K. Meyer in *Haussknechtia*, Mitt. Thuring. Bot. Ges., 3: 20 (1987)—Greece, Albania.  
 karatavicum N.V. Pavlov in *Vestn. Akad. Nauk Kas. SSR*, 1949(1): 35 (1949)—U.S.S.R. (Middle Asia).  
 kuramense I.A. Linchevskii in *Fl. Tadzhikskoi SSR*, 8: 480, 16 (1986)—U.S.S.R. (Middle Asia).  
 minshelkense N.V. Pavlov in *Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 35 (1949)—U.S.S.R. (Middle Asia).



**ACANTHOLIMON** :-

- muradicum O. Schwarz & F.K. Meyer in *Haussknechtia*, Mitt. Thüring. Bot. Ges., 3: 35 (1987)—Turkey.  
 olympicum (Boiss.) F.K. Meyer in *Haussknechtia*, Mitt. Thüring. Bot. Ges., 3: 24 (1987): A. androsaceum  $\beta$ olympicum.  
 raikoviae Czerniak. ex I.A. Linchevskii in *Fl. Tadzhikskoi SSR*, 8: 481, 20 (1986)—U.S.S.R. (Middle Asia).  
 squarrosom N.V. Pavlov in *Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 36 (1949)—U.S.S.R. (Middle Asia).  
 trojanum F.K. Meyer in *Haussknechtia*, Mitt. Thüring. Bot. Ges., 3: 27 (1987)—Turkey.

**ACANTHOPANAX** (Araliac.).

- baoxinensis X.P. Fang & C.K. Hsieh in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 89 (1987)—China.  
 napingensis X.P. Fang & C.K. Hsieh in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 87 (1987)—China.  
 wilsonii  
   var. pilosulus (Rehd.) X.P. Fang & C.K. Hsieh in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 90 (1987): A. giraldii var. pilosulus.

**ACANTHOPHYLLUM** (Caryophyllac.).

- sect. *Elatiora* (Schischk.) M. Musaeva in *Uzb. Biol. Zhurn.*, 1981(5): 30 (1981), without basionym ref.: Basionym not stated.  
 sect. *Pseudacanthophyllum* (Boiss.) K.H. Rechinger in *Fl. Iran.*, 163: 319 (1988): *Gypsophila* sect. *Pseudacanthophyllum*.  
 sect. *Scapiflora* H. Schiman-Czeika in *Fl. Iran.*, 163: 324 (1988).  
 andarabicum Podl. ex H. Schiman-Czeika in *Fl. Iran.*, 163: 317 (1988)—Afghanistan.  
 andersenii K.H. Rechinger & H. Schiman-Czeika in *Fl. Iran.*, 163: 301 (1988)—Iran.  
 anisocladum H. Schiman-Czeika in *Fl. Iran.*, 163: 326 (1988), nom. nov.: *Saponaria acerosa* Boiss.  
 bilobum H. Schiman-Czeika in *Fl. Iran.*, 163: 328 (1988)—Afghanistan.  
 kabulicum H. Schiman-Czeika in *Fl. Iran.*, 163: 307 (1988)—Afghanistan.  
 khuzistanicum K.H. Rechinger in *Fl. Iran.*, 163: 273 (1988)—Iran, Iraq.  
 lamondiae H. Schiman-Czeika in *Fl. Iran.*, 163: 325 (1988)—Afghanistan.  
 leucostegium H. Schiman-Czeika in *Fl. Iran.*, 163: 272 (1988)—Iran.  
 maimanense K.H. Rechinger & H. Schiman-Czeika in *Fl. Iran.*, 163: 306 (1988)—Afghanistan.  
 pachycephalum H. Schiman-Czeika in *Fl. Iran.*, 163: 269 (1988)—Iran.  
 pleiostegium H. Schiman-Czeika in *Fl. Iran.*, 163: 281 (1988)—Afghanistan.  
 scapiflorum (Akhtar) H. Schiman-Czeika in *Fl. Iran.*, 163: 328 (1988): *Gypsophila scapiflorum*.  
 speciosum K.H. Rechinger & H. Schiman-Czeika in *Fl. Iran.*, 163: 314 (1988)—Iran, U.S.S.R. (Middle Asia).

**ACANTHORRHINUM** (Scrophulariac.).

- rivas-martinezii (Sánchez Mata) J. Fernández Casas & D. Sánchez Mata in *Fontqueria*, 20: 63 (1988): *Misopates rivas-martinezii*.

**ACANTHUS** (Acanthac.).

- ebracteatus  
   subsp. ebarbatus R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 73 (1986)—Australia (N. Terr., Queensland, W. Australia).  
 hirsutus  
   f. roseus D.J. Wood in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 7 (1989)—Turkey.  
   subsp. syriacus (Boiss.) R.K. Brummitt in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 8 (1989): A. syriacus.

**ACCARA** L.R. Landrum in *Syst. Bot.* 15(2): 221 (1990). **MYRTACEAE**.

- elegans (DC.) L.R. Landrum in *Syst. Bot.*, 15(2): 221 (1990): *Myrtus elegans*.

**ACER** (Acerac.).

- changii Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(2): 100 (1986), without type—China.  
 cordatum  
   var. jinggangshanense Z.X. Yu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 151 (1986)—China.  
 davidii  
   var. grandifolium S.Y. Liang & Y.Q. Huang in *Guihaia*, 9(4): 299 (1989)—China.  
 dissectum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 911 (1784)—Japan.†  
 duplicatoserratum  
   var. chinense C.S. Chang in *J. Arnold Arbor.*, 71(4): 557 (1990)—China.  
 fabri  
   var. tongguense Z.X. Yu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 152 (1986)—China.  
 gracilifolium Fang & C.C. Fu in *Fl. Tsinlingensis*, 1(3): 453, 228 (1981)—China.  
 guizhouense Y.K. Li in *Guihaia*, 7(3): 211 (1987)—China.  
 japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 911 (1784)—Japan.†  
 lauyuense Fang ex C.C. Fu in *Fl. Tsinlingensis*, 1(3): 454, 231 (1981)—China.  
 legonsanicum Y.K. Li in *Guihaia*, 7(3): 212 (1987)—China.  
 miaotaiense  
   var. glabrum M.C. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 67 (1988)—China.  
 neapolitanum Ten., *Cat. Pl. Hort. Reg. Neap.*, App., 1: 75 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 opalus  
   var. montsiccianum (Font Quer) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 189 (1989): A. hispanicum f. montsiccianum.  
   var. reginae-amaliae (Orph. ex Boiss.) B. Aldén in A. Strid (ed.), *Mount. Fl. Greece*, 1: 582 (1986): A. reginae-amaliae.  
 palmatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 911 (1784)—Japan.†  
 pictum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 912 (1784)—Japan.†  
 septemlobum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 912 (1784)—Japan.†  
 shenkanense Fang ex C.C. Fu in *Fl. Tsinlingensis*, 1(3): 452, 220 (1981)—China.  
 stenolobum  
   var. monochladaea S.C. Cui & J.X. Yu in *Acta Phytotax. Sin.*, 27(2): 131 (1989)—China.  
 tricaudatum Fang & C.C. Fu in *Fl. Tsinlingensis*, 1(3): 452, 224 (1981)—China.  
 trifidum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 912 (1784)—Japan.†

**ACERAS** (Orchidac.).

- anthropomorphum (Willd.) Sm. in *Rees, Cyclop.*, 39(1): *Aceras* n. 2 (1818); cf. D.J. Mabberley in *Taxon*, 32(1): 81 (1983), as 'anthropophorum': Basionym not stated.  
 anthropophorum  
   f. purpurata M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 280 (1986)—France.

**ACETOSA** (Polygonac.).

- alpina  
   subsp. amplexicaulis (Lapeyr.) J. Holub in *Folia Geobot. Phytotax.*, 24(4): 426 (1989): *Rumex amplexicaulis*.  
 pseudoxyria (Tolm.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 74 (1987): *Rumex acetosa* subsp. pseudoxyria.  
 thyrsiflora  
   subsp. intermedia (DC.) Á. Löve in *Taxon*, 35(3): 612 (1986): *Rumex intermedius*.

**ACETOSELLA** (Polygonac.).

- aureostigmatica (Kom.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 74 (1987): *Rumex aureostigmaticus*.  
 gracilescens (K.H. Rech.) Á. Löve in *Taxon*, 35(3): 612 (1986): *Rumex paucifolius* var. gracilescens.  
 multifida (L.) Á. Löve, *Fl. Iceland*: 168 (1983): *Rumex multifidus*.  
 paucifolia (Nutt.) Á. Löve in *Taxon*, 35(3): 612 (1986): *Rumex paucifolius*.

**ACHATOCARPUS** (Achatocarpac.).

- praecox  
   var. bicornutus (Schinz & Autran) S.M. Botta in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 223 (1987): A. bicornutus.

**ACHILLEA** (Compos.).

- ser. *Li. pulatae* Botsch. ex M.L. Samutina in *Vestn. Leningrad. Univ., Biol.*, 1983(21): 96 (1983).  
 ser. *Parmicae* Botsch. ex M.L. Samutina in *Vestn. Leningrad. Univ., Biol.*, 1983(21): 96 (1983).  
 ser. *Salicifoliae* Botsch. ex M.L. Samutina in *Vestn. Leningrad. Univ., Biol.*, 1983(21): 96 (1983).  
 ×albinea Z. Bjelčić & Maly in *Glasn. Zem. Muz. Bosne Herceg. Priro. Nauke*, 8: 68 (1969 publ. 1971)—Yugoslavia. (A. abrotanoides × clavenae).  
 aucheri  
   subsp. glabra A. Huber-Morath in *Fl. Iran.*, 158: 57 (1986)—Iran.  
 croatica Hort. Vindob. ex Hornem., *Hort. Hafn.*: 838 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.  
 ×huber-morathii K.H. Rechinger in *Fl. Iran.*, 158: 71 (1986)—Iran. (A. bibersteinii × nobilis subsp. neilreichii).  
 millefolium  
   subsp. chitralensis A. Huber-Morath in *Fl. Iran.*, 158: 64 (1986)—Pakistan.  
   subsp. elbursensis A. Huber-Morath in *Fl. Iran.*, 158: 63 (1986)—Iran.  
 pindicola  
   subsp. integrifolia (Halácsy) R. Franzén in *Willdenowia*, 16(1): 20 (1986): A. clavenae var. integrifolia.  
 sambucifolia C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 3 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 sprengeliana Huber in *Revue horticole*, 48: 455 (1876); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.  
 talagonica  
   var. oxylepis (Boiss. & Hausskn.) A. Huber-Morath in *Fl. Iran.*, 158: 59 (1986): A. oxylepis.

**ACHIMENES** (Gesneriac.).

- nayaritensis L.E. Skog in *Op. Bot.*, 92: 225 (1987)—Mexico.

**ACHMANDRA** G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 49 (1840). **CUCURBITACEAE**.**ACHNATHERUM** (Gramin.).

- chingii  
   var. laxum P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 257 (1987)—China.  
 duthiei (Hook. f.) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 190 (1988), without basionym date: *Stipa duthiei*.  
 pekinense  
   subsp. effusum (Maximowicz) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 483 (1987): *Stipa sibirica* var. effusa.  
   subsp. pubicalyx (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 483 (1987): *Stipa pubicalyx*.

**ACHRADOTYPUS** (Sapotac.).

- decandrus (Montr.) A. Guillaumin in *Ann. Soc. Bot. Lyon*, 38: 100 (1913 publ. 1914); et *Sp. Montrouz.*: 26 (1914) (reprint): *Chrysophyllum decandrum*.†

**ACHUARIA** R.E. Gereau in *Candollea*, 45(1): 365 (1990). **RUTACEAE**.

- hirsuta R.E. Gereau in *Candollea*, 45(1): 365 (1990)—Peru.

**ACHYRANTHES** (Amaranthac.).

- megaphylla Y.H. Li in *Guihaia*, 9(1): 26 (1989)—China.  
 sessilis (L.) Besser, *Cat. Jard. Bot. Krz.*: 12 (1810); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): Basionym not stated.  
 virgata (Jacq.) Zeyher, *Verz. Saemm. Gewaech. Schwezingen*: 11 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984): *Celosia virgata*.

**ACHYROCLINE** (Compos.).

- guerreroana G.L. Nesom in *Phytologia*, 68(5): 363 (1990)—Mexico.  
 oaxacana G.L. Nesom in *Phytologia*, 68(5): 364 (1990)—Mexico.  
 peruviana M.O. Dillon & A. Sagástegui-Alva in *Phytologia*, 60(2): 107 (1986)—Peru.  
 turneri G.L. Nesom in *Phytologia*, 68(3): 183 (1990)—Guatemala, Honduras, Nicaragua.

**ACIACHNE** (Gramin.).

- acicularis S. Laegaard in *Nordic J. Bot.*, 7(6): 669 (1987)—Bolivia, Venezuela, Colombia, Peru.  
 flagellifera S. Laegaard in *Nordic J. Bot.*, 7(6): 669 (1987)—Ecuador, Colombia.

**ACICARPHA** (Calycerac.).

- obtusisepala E. Marchesi in *Bol. Invest. (Montevideo)*, 5: 4 (1987)—Uruguay.

**ACIDOSASA** (Gramin.).

- breviclavata W.T. Lin in *Bamboo Res.*, 1986(2): 27 (1986)—China.  
 brilletii (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 351 (1989): Arundinaria brilletii.  
 chinouensis (Wen) C.S. Chao & T.H. Wen in *J. Bamboo Res.*, 7(1): 31 (1988): Indosasa chinouensis.  
 dayongensis T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 25 (1986)—China.  
 edulis (Wen) T.H. Wen in *J. Bamboo Res.*, 7(1): 31 (1988): Sinobambusa edulis.  
 gracilis W.T. Lin & X.B. Ye in *Acta Phytotax. Sin.*, 26(2): 149 (1988)—China.  
 guangxiensis Q.H. Dai & C.F. Huang in *Bamboo Res.*, 1986(3): 64 (1986), with two types cited—China.  
 purpurea (Hsueh & Yi) P.C. Keng in *J. Wuhan Bot. Res.*, 4(4): 335 (1986): Indosasa purpurea.

**ACILEPIDOPSIS** H. Robinson in *Phytologia*, 67(4): 291 (1989). **COMPOSITAE**.

- echitifolia (Mart. ex DC.) H. Robinson in *Phytologia*, 67(4): 291 (1989): Vernonia echitifolia.

**ACINOS** (Labiata).

- alpinus  
 var. adrianopolitanus (Podp.) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 350 (1989): Calamintha alpina var. adrianopolitana.  
 var. thracicus (Vel.) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 351 (1989): Calamintha thracica.  
 nanus P.H. Davis & Doroszenko in *Fl. Turkey & E. Aegean Is.*, 10: 236, 208 (1988)—Crete, East Aegean Is.  
 troodi  
 subsp. grandiflorus P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 331 (1987)—Turkey.

**ACMANTHERA** (Malpighiac.).

- fernandesii W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 39 (1990)—Brazil.

**ACMENA** (Myrtac.).

- ingens (F. Muell. ex C. Moore) G.P. Guymer & B.P.M. Hyland in *Muelleria*, 6(6): 437 (1988): Nelitris ingens.

**ACMISPON** (Legumin.).

- sect. Simpeteria (Ottley) P. Lassen in *Willdenowia*, 16(1): 107 (1986): Lotus sect. Simpeteria.  
 roudairei (Bonnet) P. Lassen in *Willdenowia*, 16(1): 108 (1986): Lotus roudairei.

**ACONITUM** (Ranunculac.).

- sect. Catenata Steimb. ex M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 100 (1990).  
 ser. Japonica (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 52 (1987): A. sect. Japonica.  
 subser. Nipponica (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 53 (1987): A. sect. Nipponica.  
 ser. Yuparensia Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 49 (1987).  
 abietetorum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 32 (1987)—China.

**ACONITUM** —

- albiviolaceum  
 var. albidiflorum (S.H. Li & Y.H. Huang) S.H. Li in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 476 (1988): A. albiviolaceum f. albidiflorum.  
 ambiguum  
 subsp. baicalense (Turcz. ex Rapaics) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 90 (1988): A. baicalense.  
 arcuatum  
 subsp. axilliflorum (Worosch.) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 77 (1987): A. axilliflorum.  
 benzilanense T.L. Ming in *Acta Bot. Yunnanica*, 7(3): 304 (1985)—China.  
 bhutanicum Y. Kadota in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 211 (1988)—Bhutan.  
 chasmanthum  
 subsp. baltistanicum R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 4 (1987)—Pakistan.  
 daxinganlinense Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 14(2): 223 (1983)—China.  
 delphinifolium  
 subsp. pavlovae (Worosch.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(2): 87 (1989): A. pavlovae.  
 elliotii  
 var. glabrescens W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 259 (1986)—Xizang.  
 var. pilopetalum W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 260 (1986)—Xizang.  
 fanjingshanicum W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 3 (1989)—China.  
 gezaense W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 31 (1987)—China.  
 hemsleyanum  
 var. lasianthum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 29 (1987)—China.  
 var. leucanthum P. Guo & M.R. Jia in *Acta Bot. Yunnanica*, 12(2): 172 (1990), as 'leueanthum'—China.  
 var. pilopetalum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 29 (1987)—China.  
 var. puberulum W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 260 (1986)—Xizang.  
 henryi  
 var. pilocarpum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 29 (1987)—China.  
 heterophyllum  
 subsp. parviflorum R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 6 (1987)—Pakistan.  
 hopeiense (W.T. Wang) V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 151: 43 (1988 publ. 1989): A. leucostomum var. hopeiense.  
 huizenense T.L. Ming in *Acta Bot. Yunnanica*, 7(3): 301 (1985)—China.  
 jaluense  
 subsp. iwatekense (Nakai) Y. Kadota in *Ann. Tsukuba Bot. Gard.*, 2: 101 (1983): A. iwatekense.  
 japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 504 (1784)—Japan.†  
 subsp. ibukiense (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 170 (1987): A. ibukiense.  
 var. iyariense Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 190 (1987)—Japan.  
 subsp. maritimum (Nakai ex Tamura & Namba) Y. Kadota in *Ann. Tsukuba Bot. Gard.*, 2: 100 (1983): A. deflexum var. maritimum.  
 subsp. napiforme (Lév. & Van't.) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 179 (1987): A. napiforme.  
 subsp. subcuneatum (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 174 (1987): A. subcuneatum.  
 jeholense  
 var. angustius (W.T. Wang) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 14(2): 222 (1983): A. soongaricum var. angustius.  
 kiyomiense Y. Kadota in *Bull. Nation. Sci. Mus., B (Tokyo)*, 13(1): 26 (1987)—Japan.  
 kongboense  
 var. polycarpum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 33 (1987): China.

**ACONITUM** —

- longtouense T.L. Ming in *Acta Bot. Yunnanica*, 7(3): 302 (1985)—China.  
 luningense W.T. Wang in *Acta Phytotax. Sin.*, 25(1): 24 (1987)—China.  
 lycoctonifolium W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 27 (1987)—Xizang.  
 maximum  
 f. album K. Sato in *J. Jap. Bot.*, 61(5): 138 (1986)—Japan.  
 subsp. kurilense (Takeda) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 131 (1987): A. kurilense.  
 napiforme  
 var. albidiflorum Y.N. Lee in *Korean J. Bot.*, 25(4): 177 (1982)—Korea.  
 nipponicum  
 subsp. micranthum (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 225 (1987): A. micranthum.  
 var. septemcarpum (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 223 (1987): A. septemcarpum.  
 ouvrardianum  
 var. pilopes W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 32 (1987)—China.  
 paniculatum  
 var. turrachense W. Mucher in *Phyton (Austria)*, 30(1): 83 (1990)—Austria, Switzerland, Italy, Yugoslavia.  
 pavlovae V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 125 (1987)—U.S.S.R. (Soviet Far East).  
 pilopetalum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 30 (1987)—China.  
 pseudokongboense W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 260 (1986)—Xizang.  
 sachalinense  
 subsp. yezeense (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 119 (1987): A. yezeense.  
 sczukinii  
 subsp. subalpinum (Baran.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(2): 83 (1989): A. subalpinum.  
 senanense  
 subsp. paludicola (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 214 (1987): A. paludicola.  
 subglandulosum A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 42 (1989), nom. nov.: A. glandulosum Khokhr.  
 sungpanense  
 var. villosulum W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 5 (1989)—China.  
 swatense  
 var. bracteatum R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 5 (1987)—Pakistan.  
 var. kashmeriense R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 5 (1987)—Pakistan.  
 tabatae M. Tamura in *Acta Phytotax. Geobot.*, 37(4-6): 152 (1986)—Nepal.  
 taigicola V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 151: 42 (1988 publ. 1989)—U.S.S.R. (Soviet Far East).  
 variegatum  
 subsp. paniculatum (Arcangeli) W. Greuter & Burdet in *Willdenowia*, 19(1): 42 (1989): A. cammarum subsp. paniculatum.  
 subsp. valesiacum (Gayer) W. Greuter & Burdet in *Willdenowia*, 19(1): 42 (1989): A. valesiacum.  
 violaceum  
 var. multifidum (Royle) R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 4(1-2): 44 (1988): A. multifidum.  
 wardii  
 var. trisetum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 24 (1987)—China.  
 wolongense W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 1 (1989)—China.  
 yangii W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 25 (1987)—China.  
 var. villosulum W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 26 (1987)—China.  
 yanyuanense W.T. Wang & L.Q. Li in *Acta Phytotax. Sin.*, 25(1): 28 (1987)—China.

**ACONITUM** :-

- yuparense  
 var. apoiense (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 71 (1987): A. apoiense.  
 zigzag  
 subsp. kishidai (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 207 (1987): A. kishidai.  
 subsp. komatsui (Nakai) Y. Kadota, *Revis. Aconitum subgen. Aconitum (Ranunculac.) East Asia*: 204 (1987): A. komatsui.  
 subsp. ryohakuense Y. Kadota in *Mem. Nation. Sci. Mus. (Tokyo)*, 19: 137 (1986)—Japan.

**ACONOGONON** (Polygonac.).

- sect. Fagopyroides N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987).  
 sect. Hultenia N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987).  
 sect. Pleuropteropyrum (H. Gross) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987): gen. Pleuropteropyrum.  
 ajanense  
 var. divaricatum (Fr. Schmidt) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 96 (1989): Polygonum polymorphum var. divaricatum.  
 amgense (Michal. & V. Perf.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987): Polygonum amgense.  
 diffusum (Willd. ex Spreng.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 25: 184 (1988): Polygonum diffusum.  
 hultenianum (Jurtz.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987): Polygonum alaskanum subsp. hultenianum.  
 ocreatum  
 var. jurtzevii N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 96 (1989)—U.S.S.R. (Soviet Far East).  
 var. laxmannii (Lepech.) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 96 (1989): Polygonum laxmannii.  
 var. riparium (Georgi) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 96 (1989): Polygonum riparium.  
 pangianum G.D. Pal & G.G. Maiti in *Bull. Bot. Surv. India*, 26(1-2): 95 (1984 publ. 1985)—India.  
 pseudoajanense V.Yu. Barkalov & I.B. Vyshin in *Bot. Zhurn.*, 74(8): 183 (1989)—Kuril Is.  
 rhombitepalum S.P. Hong in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 361 (1990)—Burma, China.  
 savatieri (Nakai) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 77 (1987): Polygonum savatieri.  
 var. iturupense (Mischurov) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 100 (1989): Polygonum iturupense.  
 tzvelevii V.Yu. Barkalov & I.B. Vyshin in *Bot. Zhurn.*, 74(8): 182 (1989)—U.S.S.R. (Soviet Far East).

**ACORELLUS** (Cyperac.).

- laevigatus  
 subsp. distachyos (All.) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): Cyperus distachyos.

**ACORUS** (Arac.).

- latifolius Z.Y. Zhu in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 118 (1985)—China.  
 xiangyeus Z.Y. Zhu in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 119 (1985)—China.

**ACOSTA** (Compos.).

- avilae (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea avilae.  
 ×beltranii (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea tenuifolia subsp. beltranii.  
 boissieri  
 subsp. atlantica (Font Quer) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea boissieri var. atlantica.  
 subsp. calvescens (Maire) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea boissieri var. calvescens.

**ACOSTA** :-

- subsp. funkii (Schultz Bip. ex Willk.) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea funkii.  
 subsp. mariolensis (Rouy) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea mariolensis.  
 subsp. prostrata (Cosson) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea prostrata.  
 subsp. willkommii (Schultz Bip. ex Willk.) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea willkommii.  
 citricolor (Font Quer) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea citricolor.  
 jaennensis (Degen & Debeaux) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea jaennensis.  
 paui (Losc. ex Willk.) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea paui.  
 piniae (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea piniae.  
 pinnata (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea pinnata.  
 resupinata (Cosson) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea resupinata.  
 subsp. degenii (Sennen) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea degenii.  
 subsp. lagascae (Nyman) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 22 (1982): Centaurea lagascae.  
 subsp. spachii (Schultz Bip. ex Willk.) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 23 (1982): Centaurea spachii.  
 rouyi (Coincy) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 23 (1982): Centaurea rouyi.  
 sagredoi (Blanca) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 23 (1982): Centaurea sagredoi.

**ACOSTAEA** (Orchidac.).

- costaricensis  
 subsp. bicornis (Luer) C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 8 (1987): A. bicornis.  
 subsp. colombiana (Garay) C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 10 (1987): A. colombiana.  
 subsp. unicornis (Luer) C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 14 (1987): A. unicornis.

**ACOURTIA** (Compos.).

- acevedoi M. González Elizondo in *Phytologia*, 61(2): 117 (1986)—Mexico.  
 dieringeri L. Cabrera R. in *Sida*, 13(4): 419 (1989)—Mexico.  
 mexicana (Lag. ex D. Don) H. Robinson in *Phytologia*, 69(2): 106 (1990): Proustia mexicana.

**ACRIOPSIS** (Orchidac.).

- densiflora  
 var. borneensis (Ridley) M.E. Minderhoud & E.F. de Vogel in *Orchid Monogr.*, 1: 7 (1986): A. borneensis.  
 gracilis M.E. Minderhoud & E.F. de Vogel in *Orchid Monogr.*, 1: 7 (1986)—Borneo (Sabah).  
 javanica  
 var. auriculata M.E. Minderhoud & E.F. de Vogel in *Orchid Monogr.*, 1: 14 (1986)—Borneo (Sarawak, Sabah, Brunei, Kalimantan), Burma, Vietnam, Malaya, Sumatra, Java.  
 var. floribunda (Ames) M.E. Minderhoud & E.F. de Vogel in *Orchid Monogr.*, 1: 13 (1986): A. floribunda.

**ACROCERAS** (Gramin.).

- chaseae F.O. Zuloaga & O. Morrone in *Darwiniana*, 28(1-4): 198 (1987 publ. 1988)—Brazil.  
 excavatum (Hennard) F.O. Zuloaga & O. Morrone in *Darwiniana*, 28(1-4): 195 (1987 publ. 1988): Panicum excavatum.

**ACROCERAS** :-

- fluminense (Hackel) F.O. Zuloaga & O. Morrone in *Darwiniana*, 28(1-4): 197 (1987 publ. 1988): Panicum fluminense.

**ACRODON** (Aizoac.).

- duplessiae (L. Bol.) H.F. Glen in *Bothalia*, 16(2): 217 (1986): Ruschia duplessiae.  
 leptophyllus (L. Bol.) H.F. Glen in *Bothalia*, 16(2): 217 (1986): Ruschia leptophylla.

**ACROGLOCHIN** (Chenopodiac.).

- persicarioides  
 var. muliensis T.P. Soong in *Fl. Sichuanica*, 4: 3 (1988)—China.  
 var. multiflora T.P. Soong in *Fl. Sichuanica*, 4: 3 (1988)—China.

**ACROLOPHIA** (Orchidac.).

- barbata (Thunb.) H.P. Linder in *S. Afr. J. Bot.*, 54(5): 498 (1988): Limodorum barbata.

**ACRONEMA** (Umbellif.).

- yadongense S.L. Liou in *Acta Phytotax. Sin.*, 28(2): 147 (1990)—Xizang.

**ACRONYCHIA** (Rutac.).

- oblongifolia (Hook.) Endl., *Cat. Horti Vindob.*, 2: 402 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): Basionym not stated.

**ACROPOGON** (Sterculiac.).

- aoupinienis P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 93 (1988)—New Caledonia.  
 austrocaledonicus (J.D. Hook.) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia austro-caledonica.  
 bullatus (Pancher & Sebert) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia bullata.  
 domatifer P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 96 (1988)—New Caledonia.  
 dzumacensis (Guillaumin) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia dzumacensis.  
 francii (Guillaumin) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia francii.  
 megaphyllus (Bureau & Poisson ex Guillaumin) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia megaphylla.  
 scheffleraefolius (Guillaumin) P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 361 (1986 publ. 1987): Sterculia scheffleraefolia.  
 veillonii P. Morat in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 99 (1988)—New Caledonia.

**ACRORCHIS** R.L. Dressler in *Orquidea* (México), 12(1): 14 (1990). ORCHIDACEAE.

- roseola R.L. Dressler in *Orquidea* (México), 12(1): 14 (1990)—Panama, Costa Rica.

**ACROTICHE** (Epacridac.).

- leucocarpa P.C. Jobson & T. Whiffin in *Muelleria*, 7(2): 295 (1990)—Australia (New South Wales, Victoria).

**ACSMITHIA** (Cunoniace.).

- collina R.D. Hoogland in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(4): 396 (1987 publ. 1988)—New Caledonia.  
 meridionalis R.D. Hoogland in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(4): 396 (1987 publ. 1988)—New Caledonia.

**ACTAEA** (Ranunculac.).

- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 488 (1784)—Japan.†

**ACTEPHILA** (Euphorbiac.).

- daii N.N. Thin in *J. Biol. (Vietnam)*, 9(2): 39 (1987)—Vietnam.

**ACTINIDIA** (Actinidiac.).

- arguta*  
*var. erythrocarpa* S. Ohtani in *Sci. Rep. Yokosuka City Mus.*, 26: 7 (1979)—Japan.  
*var. giraldii* (Diels) C.F. Liang ex C.W. Chang in *Fl. Tsinglingensis*, 1(3): 294 (1981): A. giraldii.  
*guilinensis* C.F. Liang in *Guihaia*, 8(2): 129 (1988), without type—China.  
*lijiangensis* C.F. Liang & Y.X. Lu in *Guihaia*, 9(1): 21 (1989)—China.  
*valvata*  
*var. longipedicellata* L.L. Yu in *Guihaia*, 8(2): 132 (1988)—China.

**ACTINOCARPUS** (Alismatac.).

- damasonium* Sweet, *Hort. Suburb. Lond.*: 79 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982)—Locality not stated.

**ACTINODAPHNE** (Laurac.).

- macgregorii* (Merr.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 467 (1988): *Litsea macgregorii*.  
*monantha* (Yang & P.H. Huang) H.P. Tsui in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 4 (1987): *Litsea monantha*.  
*sessilifructa* C.J. Qi & K.W. Liu in *Guihaia*, 7(3): 215 (1987)—China.

**ACTINOSCIRPUS** (Ophi) R.W. Haines & K.A. Lye in *Bot. Notiser*, 124: 481 (1971): *Scirpus* sect. *Actinoscirpus* (Cyperac.).**ADA** (Orchidac.).

- bennettiorum* C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 1 (1989)—Peru.  
*escobariana* (Garay) C.H. Dodson in *R. Escobar R. (ed.)*, *Native Colombian Orchids*, 1: 24 (1990): *Brassia escobariana*.

**×ADACIDIUM** hort. in *Orchid Rev.*, 98(1157): centre page pull-out p. 12 (1990). **ORCHIDACEAE**. (Ada × *Oncidium*).**ADELOBOTRYS** (Melastomatac.).

- ayanganensis* J.J. Wurdack in *Brittonia*, 39(2): 159 (1987)—Guyana.

**ADENANTHOS** (Proteac.).

- ×*pamela* E.C. Nelson in *Glasra*, 9: 2 (1986)—Australia (W. Australia). (A. *detmoldii* × *obovata*).

**ADENIA** (Passiflorac.).

- lewallei* A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1–2): 227 (1989)—Burundi.

**ADENOCARPUS** (Legumin.).

- complicatus*  
*nothosubsp. danielii* S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 74 (1989)—Spain. (A. *complicatus* subsp. *aureus* × subsp. *complicatus*).  
*nothosubsp. federici* S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 74 (1989)—Spain. (A. *complicatus* subsp. *anisochilus* × subsp. *aureus*).  
*subsp. graecus* (Griseb.) S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 74 (1989): A. *graecus*.  
*decorticans*  
*subsp. speciosus* (Pomel) S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 72 (1989): A. *speciosus*.  
*hispanicus*  
*subsp. gredensis* S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 72 (1989)—Spain.  
*subsp. neilense* S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 72 (1989)—Spain.  
*viscosus*  
*subsp. spartioides* (Webb & Berthelot) S. Rivas-Martínez & D. Belmonte in *Opusc. Bot. Pharm. Complutensis*, 5: 71 (1989): A. *viscosus* var. *spartioides*.

**ADENOCALON** (Compos.).

- nepalense* M. Bittmann in *Candollea*, 45(1): 403 (1990)—Nepal, Sikkim.

**ADENOPHORA** (Campanulac.).

- amurica* C.X. Fu & M.Y. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 159 (1986)—China.  
*biformifolia* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 57 (1980)—China.  
*borealis*  
*var. oreophila* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 57 (1980)—China.  
*changaica* I.A. Gubanov & R.V. Kamelin in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 93(5): 111 (1988)—Mongolia.  
*contracta* (Kitag.) J.Z. Qiu & D.Y. Hong in *Acta Phytotax. Sin.*, 28(5): 399 (1990): A. *polyantha* var. *contracta*.  
*gmelinii*  
*var. coronopifolia* (Fisch.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 59 (1980): A. *coronopifolia*.  
*var. pachyphylla* (Kitag.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 59 (1980): A. *pachyphylla*.  
*paniculata*  
*var. dentata* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 58 (1980)—China.  
*var. petiolata* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 58 (1980)—China.  
*pereskifolia*  
*var. alternifolia* Fuh ex Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 57 (1980)—China.  
*subsp. alternifolia* (Fuh ex Y.Z. Zhao) C.X. Fu & M.Y. Liu in *Acta Phytotax. Sin.*, 25(3): 186 (1987): A. *pereskifolia* var. *alternifolia*.  
*stenanthina*  
*var. angustilanceifolia* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 58 (1980), as 'angusti-lanceifolia'—China.  
*var. collina* (Kitag.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 59 (1980): A. *collina*.  
*var. crispata* (Korsh.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 59 (1980), basionym not validly publ.: A. *marsupiflora* × *denticulata* f. *crispata*.  
*wawreana*  
*var. lanceifolia* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 11(1): 57 (1980)—China.

**ADENOPHYLLUM** (Compos.).

- anomalum* (Canby & Rose) J.L. Strother in *Sida*, 11(4): 376 (1986): *Hymenatherum anomalum*.  
*appendiculatum* (Lagasca) J.L. Strother in *Sida*, 11(4): 376 (1986): *Dyssodia appendiculata*.  
*aurantium* (L.) J.L. Strother in *Sida*, 11(4): 376 (1986): *Aster aurantius*.  
*cooperi* (A. Gray) J.L. Strother in *Sida*, 11(4): 376 (1986): *Dyssodia cooperi*.  
*glandulosum* (Cav.) J.L. Strother in *Sida*, 11(4): 377 (1986): *Willdenowa glandulosa*.  
*porophylloides* (A. Gray) J.L. Strother in *Sida*, 11(4): 377 (1986): *Dyssodia porophylloides*.  
*porophyllum*  
*var. cancellatum* (Cass.) J.L. Strother in *Sida*, 11(4): 377 (1986): *Lebetina cancellata*.  
*var. radiatum* (DC.) J.L. Strother in *Sida*, 11(4): 377 (1986): *Dyssodia porophylla* var. *radiata*.  
*speciosum* (A. Gray) J.L. Strother in *Sida*, 11(4): 378 (1986): *Dyssodia speciosa*.  
*squamosum* (A. Gray) J.L. Strother in *Sida*, 11(4): 378 (1986): *Dyssodia squamosa*.  
*wrightii*  
*var. pulcherrimum* (Strother) J.L. Strother in *Sida*, 11(4): 377 (1986): *Dyssodia neomexicana* var. *pulcherrima*.

**ADENOPODIA** (Legumin.).

- floribunda* (Kleinhoonte) J.P.M. Brenan in *Kew Bull.*, 41(1): 83 (1986): *Piptadenia floribunda*.  
*gymnantha* J.P.M. Brenan in *Kew Bull.*, 41(1): 87 (1986)—Mexico.  
*minutiflora* (Ducke) J.P.M. Brenan in *Kew Bull.*, 41(1): 84 (1986): *Piptadenia minutiflora*.  
*oaxacana* M. Sousa in *Kew Bull.*, 41(1): 85 (1986)—Mexico.  
*patens* (Hook. & Arn.) J. Dixon ex J.P.M. Brenan in *Kew Bull.*, 41(1): 80 (1986): *Inga patens*.  
*rotundifolia* (Harms) J.P.M. Brenan in *Kew Bull.*, 41(1): 79 (1986): *Entada rotundifolia*.

**ADENOPODIA** —

- sclerata* (A. Chev.) J.P.M. Brenan in *Kew Bull.*, 41(1): 76 (1986): *Entada sclerata*.  
*schlechteri* (Harms) J.P.M. Brenan in *Kew Bull.*, 41(1): 78 (1986): *Piptadenia schlechteri*.  
*uaupensis* (Spruce ex Benth.) J.P.M. Brenan in *Kew Bull.*, 41(1): 82 (1986): *Piptadenia uaupensis*.

**ADENOROPHIUM** (Euphorbiac.).

- opiferum* (Mart.) Mart., *Consp. Reg. Veg.*: 54 (1835); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): *Basionym* not stated.

**ADESMIA** (Legumin.).

- confusa* E.A. Ulibarri in *Darwiniana*, 27(1–4): 371 (1986), nom. nov.: A. *arborea* Bertero ex Clos.  
*dessaueri* (Reiche) E.A. Ulibarri in *Darwiniana*, 27(1–4): 335 (1986): *Patagonium dessaueri*.  
*mendozana* E.A. Ulibarri in *Darwiniana*, 27(1–4): 354 (1986)—Argentina.  
*pumahuasiana* E.A. Ulibarri in *Darwiniana*, 27(1–4): 380 (1986)—Argentina, Bolivia.  
*renjifoana* (Reiche) E.A. Ulibarri in *Darwiniana*, 27(1–4): 365 (1986): *Patagonium renjifoanum*.  
*volckmannii* R.A. Philippi in *An. Univ. Chile*, 21: 444 (1862)—Chile.†

**ADINANDRA** (Theac.).

- grandifolia* Nguyen Huu Hien & G.P. Yakovlev in *Bot. Zhurn.*, 71(8): 1119 (1986)—Vietnam.  
*lienii* Nguyen Huu Hien & G.P. Yakovlev in *Bot. Zhurn.*, 71(8): 1118 (1986)—Vietnam.  
*milletii*  
*var. dalatensis* Nguyen Huu Hien & G.P. Yakovlev in *Bot. Zhurn.*, 71(8): 1119 (1986)—Vietnam.

**ADIPE** (Orchidac.).

- aureofulva* (Hook.) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Maxillaria aureo-fulva*.  
*charlesworthii* (Rolfe) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Bifrenaria charlesworthii*.  
*clavigera* (Rchb. f.) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Bifrenaria clavigera*.  
*leucorhoda* (Rchb. f.) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Bifrenaria leucorhoda*.  
*var. macaheensis* (Brade) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Bifrenaria leucorhoda* var. *macaheensis*.  
*longicornis* (Lindl.) M. Wolff in *Orchidee*, 41(2): 36 (1990): *Bifrenaria longicornis*.  
*melanopoda* (Kl.) M. Wolff in *Orchidee*, 41(2): 37 (1990): *Bifrenaria melanopoda*.  
*villosula* (Brade) M. Wolff in *Orchidee*, 41(2): 37 (1990): *Bifrenaria villosula*.  
*vitellina* (Lindl.) M. Wolff in *Orchidee*, 41(2): 37 (1990): *Maxillaria vitellina*.  
*wendlandiana* (Kränzl.) M. Wolff in *Orchidee*, 41(2): 37 (1990): *Stenocoryne wendlandiana*.

**ADONIS** (Ranunculac.).

- multiflora* T. Nishikawa & K. Ito in *J. Jap. Bot.*, 64(2): 51 (1989)—Japan, Korea.

**ADOXA** (Adoxac.).

- ser. Inodorae* O.A. Nepomnyashchaya in *Bot. Zhurn.*, 72(1): 89 (1987).  
*ser. Omeiensis* O.A. Nepomnyashchaya in *Bot. Zhurn.*, 72(1): 90 (1987).  
*ser. Orientales* O.A. Nepomnyashchaya in *Bot. Zhurn.*, 72(1): 89 (1987).  
*sect. Orientales* (Nepomn.) S.Y. Li & Z.H. Ning in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 98 (1987): A. *ser. Orientales*.  
*subgen. Tetradoxa* (C.Y. Wu) S.Y. Li & Z.H. Ning in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 96 (1987): *gen. Tetradoxa*.  
*inodora* (Falc. ex C.B. Clarke) O.A. Nepomnyashchaya in *Bot. Zhurn.*, 72(1): 89 (1987): A. *moschatellina* var. *inodora*.  
*moschatellina*  
*var. insularis* (Nepomn.) S.Y. Li & Z.H. Ning in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 100 (1987): A. *insularis*.

**AECHMEA** (Bromeliac.).

- alegrensis* W. Weber in *Feddes Repert.*, 97(3–4): 110 (1986)—Brazil.



**AECHMEA** :-

- bocainensis *E. Pereira* & *E.M.C. Leme* in *Rev. Brasil. Biol.*, 45(4): 634 (1985 publ. 1986)—Brazil.
- carvalhoi *E. Pereira* & *E.M.C. Leme* in *Bradea*, 4(34): 267 (1986)—Brazil.
- chantinii  
f. *amazonica* (*Ule*) *H.E. Luther* in *Selbyana*, 10(1): 56 (1987 publ. 1988): *Aechmea amazonica*.  
var. *fuchsi* *H.E. Luther* in *Selbyana*, 10(1): 56 (1987 publ. 1988)—Ecuador.
- cucullata *H.E. Luther* in *Selbyana*, 10(1): 56 (1987 publ. 1988)—Ecuador, Colombia.
- discordiae *E.M.C. Leme* in *Bradea*, 4(33): 255 (1986)—Brazil.
- emmerichiae *E.M.C. Leme* in *Bradea*, 4(39): 309 (1987), as 'emmerichii'—Brazil.
- entringeri *E.M.C. Leme* in *Bradea*, 4(39): 310 (1987)—Brazil.
- esseri *Gross* & *W. Rauh* in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 53 (1986)—Paraguay.
- fosteriana  
subsp. *rupicola* *E.M.C. Leme* in *Bradea*, 4(50): 392 (1987)—Brazil.
- grazielae *G. Martinelli* & *E.M.C. Leme* in *Bradea*, 4(43): 345 (1987)—Brazil.
- guarapariensis *E. Pereira* & *E.M.C. Leme* in *Brasil Florest.*, 13(59): 40 (1984)—Brazil.
- hellae *W. Weber* in *Feddes Repert.*, 97(3-4): 111 (1986)—Brazil.
- marauensis *E.M.C. Leme* in *J. Bromeliad Soc.*, 36(6): 266 (1986)—Brazil.
- orlandiana  
subsp. *belloi* *E. Pereira* & *E.M.C. Leme* in *Bradea*, 4(34): 266 (1986)—Brazil.
- pedicellata *E.M.C. Leme* & *H.E. Luther* in *J. Bromeliad Soc.*, 38(4): 150 (1988)—Brazil.
- pseudonudicaulis *E.M.C. Leme* in *Bradea*, 4(50): 394 (1987)—Brazil.
- seideliana *W. Weber* in *Feddes Repert.*, 97(3-4): 113 (1986)—Brazil.
- sergipana *E. Pereira* & *E.M.C. Leme* in *Bradea*, 4(34): 268 (1987)—Brazil.
- tuitensis *P. Magaña* & *E.J. Lott* in *Phytologia*, 59(4): 221 (1986)—Mexico.
- weilbachii  
f. *leodiensis* (*André*) *E. Pereira* & *E.M.C. Leme* in *J. Bromeliad Soc.*, 37(3): 124 (1987): *A. weilbachii* var. *leodiensis*.  
f. *viridisepala* *E. Pereira* & *E.M.C. Leme* in *J. Bromeliad Soc.*, 37(3): 124 (1987)—Brazil.

**AEGILOPS** (Gramin.).

- cylindrica  
var. *kastorianum* *S.S. Karataglis* in *Pl. Syst. Evol.*, 163(1-2): 19 (1989)—Greece.
- neglecta  
subsp. *contracta* (*Eig*) *H. Scholz* in *Willdenowia*, 19(1): 105 (1989): *A. triaristata* subsp. *contracta*.
- umbellulata  
var. *tuluni* *P.A. Gandilyan* & *M.G. Arutyunyan* in *Biol. Zhurn. Arm.*, 40(6): 477 (1987)—U.S.S.R. (Caucasus).

**AEGONYCHON** (Boraginac.).

- thessalicum (*Aldén*) *J. Holub* in *Preslia*, 58(4): 301 (1986): *Lithospermum goulandrionum* subsp. *thessalicum*.

**AEGOPOGON** (Gramin.).

- solisii *G.A. Levin* in *Levin* & *Moran*, *Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist.* 16): 61 (1989)—Revilla Gígedo Is.

**AEOLLANTHUS** (Labiata.).

- sect. *Cucullilabium* *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 139 (1986).
- sect. *Cyathobasis* *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 60 (1986).
- sect. *Maculobractea* *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 103 (1986).
- sect. *Ovatodiscus* *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 108 (1986).
- sect. *Rotundobasis* *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 122 (1986).
- alternatus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 102 (1986)—Zambia.

**AEOLLANTHUS** :-

- angolensis *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 132 (1986)—Angola.
- densiflorus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 137 (1986)—Ethiopia, Sudan, Uganda, Kenya, Tanzania.
- lisowskii *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 101 (1986)—Zaire.
- petiolatus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 129 (1986)—Zambia.
- plicatus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 134 (1986)—Angola.
- subacaulis  
var. *ericoides* (*De Wild.*) *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 100 (1986): *A. ericoides*.  
var. *linearis* (*Burk.*) *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 98 (1986): *Icomum lineare*.
- subintegrus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 104 (1986)—Zaire, Zambia, Angola, Tanzania.
- trifidus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 136 (1986)—Cameroun, Nigeria.
- viscosus *O. Ryding* in *Symb. Bot. Upsal.*, 26(1): 132 (1986)—Zimbabwe, Mozambique.

**AEONIUM** (Crassulac.).

- ser. *Chrysocome* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 47 (1989).
- ser. *Patinaria* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 54 (1989).
- sect. *Petrothamnium* (*Webb ex Christ*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 39 (1989): *Greenovia* sect. *Petrothamnium*.
- ser. *Praegeri* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 53 (1989).
- ser. *Simsii* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 46 (1989).
- arboresum  
var. *holochrysum* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 67 (1989), nom. nov.: *Sempervivum urbicum* *Lindley*.  
var. *rubrolineatum* (*Svent.*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 68 (1989): *A. rubrolineatum*.
- × *beltrani* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 69 (1986)—Canary Is. (*A. decorum* × *subplanum*).
- canariense  
var. *palmense* (*Webb ex Christ*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 57 (1989): *A. palmense*.  
var. *subplanum* (*Praeger*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 59 (1989): *A. subplanum*.  
var. *virgineum* (*Webb ex Christ*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 60 (1989): *A. virgineum*.
- × *castellodecorum* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 64 (1986)—Canary Is. (*A. castello-paivae* × *decorum*).
- × *cilifolium* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 59 (1986)—Canary Is. (*A. ciliatum* × *sedifolium*).
- davidbramwellii* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 88 (1989)—Canary Is.
- × *holospathulatum* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 66 (1986)—Canary Is. (*A. holochrysum* × *spathulatum* var. *spathulatum*).
- korneliuslemsii* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 63 (1989)—Morocco.
- lindleyi*  
var. *viscatum* (*Bolle*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 41 (1989): *A. viscatum*.
- × *nogalesii* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 61 (1986)—Canary Is. (*A. palmensis* × *sedifolium*).
- × *sanchezii* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 66 (1986)—Canary Is. (*A. rubrolineatum* × *spathulatum* var. *spathulatum*).
- stuessyi* *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 77 (1989)—Tanzania, Ethiopia, Kenya.

**AEONIUM** :-

- × *velutinum* (*N.E. Br.*) *H.Y. Liu*, *Syst. Aeonium* (*Crassulac.*) (NMNS, Taiwan, Special Publ. 3): 96 (1989): *Sempervivum velutinum*.
- × *wildpretii* *A. Bañares Baudet* in *Vieraea*, 16(1-2): 61 (1986)—Canary Is. (*A. palmensis* × *vestitum*).

**AERANGIS** (Orchidac.).

- subgen. *Uniflorae* *K. Senghas* in *Schlechter Orchideen*, 1(16-18): 1051 (1986).
- distincta* *J. Stewart* & *I.F. la Croix* in *Kew Bull.*, 42(1): 217 (1987)—Malawi.
- ellisii*  
var. *grandiflora* *J. Stewart* in *Amer. Orchid Soc. Bull.*, 55(8): 799 (1986)—Madagascar.
- gracillima* (*Kränzlin*) *J.C. Arends* & *J. Stewart* in *Lindleyana*, 4(1): 24 (1989): *Angraecum gracillimum*.
- punctata* *J. Stewart* in *Amer. Orchid Soc. Bull.*, 55(11): 1120 (1986)—Madagascar.
- splendida* *J. Stewart* & *I.F. la Croix* in *Kew Bull.*, 42(1): 215 (1987)—Malawi, Zambia.

**AERANTHES** (Orchidac.).

- subgen. *Denticulatae* *K. Senghas* in *Orchidee*, 38(1): 4 (1987).
- erectiflora* *K. Senghas* in *Orchidee*, 38(1): 7 (1987)—Madagascar.
- parkesii* *G. Williamson* in *Kirkia*, 13(2): 250 (1990)—Zimbabwe.
- robusta* *K. Senghas* in *Orchidee*, 38(1): 5 (1987)—Madagascar.
- tenella*  
var. *borbonica* *J. Bosser* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 36 (1989)—Réunion.

**AERIDES** (Orchidac.).

- affine* *Wallich ex J. Lindley*, *Gen. & Sp. Orch.*: 239 (1833)—India.†
- multiflora  
var. *dactyloides* *Mokter Ahmed, M. Moyeen, M.K. Pasha* & *M.A. Aziz Khan* in *Bangladesh J. Bot.*, 18(2): 152 (1989)—Bangladesh.

**AERISILVAEA** *A. Radcliffe-Smith* in *Kew Bull.*,

- 45(1): 149 (1990). **EUPHORBIACEAE.**  
*sylvestris* *A. Radcliffe-Smith* in *Kew Bull.*, 45(1): 151 (1990)—Tanzania.

**AERVA** (Amaranthac.).

- tandalo* *F. Buchanan-Hamilton ex L.W. Dillwyn*, *Rev. Hortus Malab.*: 51 (1839); *fide D.J. Mabberley* in *Taxon*, 26(5-6): 533 (1977)—India.

**AESANDRA** (Sapotac.).

- butyracea  
var. *andamanensis* (*van Royen*) *H.B. Naithani*, *Flow. Pl. India, Nepal & Bhutan*: 277 (1990): *Diploknema butyracea* var. *andamanensis*.
- butyraceoides* (*Schott*) *H.B. Naithani*, *Flow. Pl. India, Nepal & Bhutan*: 277 (1990): *Bassia butyraceoides*.

**AESCHYNANTHUS** (Gesneriac.).

- austroyunnanensis*  
var. *guangxiensis* (*Chun ex W.T. Wang* & *K.Y. Pan*) *W.T. Wang* in *Fl. Reipubl. Popul. Sin.*, 69: 513 (1990): *A. guangxiensis*.
- linearifolius*  
var. *oblancoelatus* (*Anthony*) *W.T. Wang* in *Fl. Reipubl. Popul. Sin.*, 69: 508 (1990): *A. peellii* var. *oblancoelata*.

**AESCHYNOMENE** (Legumin.).

- lyonnetii* *V.E. Rudd* in *Acta Bot. Mex.*, 8: 31 (1989)—Mexico.

**AESCULUS** (Hippocastanac.).

- carnea* *Zeyher*, *Verz. Saemm. Gewaech. Schwezingen*: 12 (1818); *cf. D.J. Mabberley* in *Taxon*, 33(3): 440 (1984)—Locality not stated.
- chuniana* *Hu* & *Fang* in *Act. Sc. Nat. Univ. Szech.*, 1960(3): 101, t. 11 (1962); *cf. W.P. Fang* in *Fl. Reipubl. Popul. Sin.*, 46: 284 (1981)—China.†
- lantsangensis* *Hu* & *Fang* in *Act. Sc. Nat. Univ. Szech.*, 1960(3): 87, t. 3 (1962); *cf. W.P. Fang* in *Fl. Reipubl. Popul. Sin.*, 46: 279 (1981)—China.†

**AESCULUS** :-

- megaphylla *Hu & Fang in Act. Sc. Nat. Univ. Szech.*, 1960(3): 104, t. 12 (1962); cf. *W.P. Fang in Fl. Reipubl. Popul. Sin.*, 46: 287 (1981)—China.†  
 polyneura *Hu & Fang in Act. Sc. Nat. Univ. Szech.*, 1960(3): 89, t. 4 (1962); cf. *W.P. Fang in Fl. Reipubl. Popul. Sin.*, 46: 277 (1981)—China.†  
 var. *dongchuanensis* X.W. Li & W.Y. Yin in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 53 (1990)—China.  
 tsiangii *Hu & Fang in Act. Sc. Nat. Univ. Szech.*, 1960(3): 93, t. 6, 7 (1962); cf. *W.P. Fang in Fl. Reipubl. Popul. Sin.*, 46: 279 (1981)—China.†

**AETANTHUS** (Loranthac.).

- dichotomus (Ruiz & Pavón) J. Kuijt in *Fl. Ecuador*, 24(32C): 167 (1986): Loranthus dichotomus.  
 macranthus (Hook.) J. Kuijt in *Fl. Ecuador*, 24(32C): 169 (1986): Loranthus macranthus.

**AETHIOCARPA** K. Vollesen in *Kew Bull.*, 41(4): 959 (1986). **STERCULIACEAE**.

- lepidota K. Vollesen in *Kew Bull.*, 41(4): 959 (1986)—Somali Republic.

**AETHIONEMA** (Crucif.).

- cordatum  
 subsp. *pichleri* (Boiss.) P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 314 (1987), without basionym ref.: *A. cordatum* var. *pichleri*.  
 demirizii P.H. Davis & Hedge in *Fl. Turkey & E. Aegean Is.*, 10: 232, 36 (1988)—Turkey.  
 huber-morathii P.H. Davis & Hedge in *Fl. Turkey & E. Aegean Is.*, 10: 232, 38 (1988)—Turkey.  
 marashicum P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 232, 38 (1988)—Turkey.  
 munzurensis P.H. Davis & Yıldırımli in *Fl. Turkey & E. Aegean Is.*, 10: 232, 36 (1988)—Turkey.  
 papillosum P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 233, 37 (1988)—Turkey.  
 speciosum  
 subsp. *compactum* P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 314 (1987)—Turkey.

**AETHYOPYS** (Benth.) F.M. Opiz, *Seznam*: 11 (1852): *Salvia* sect. *Aethyopys* (Labiata.).**AFGEKIA** (Legumin.).

- filipes (Dunn) R. Geesink, *Scala Millettiearum* (Leiden Bot. Ser., 8): 77 (1984): *Adinobotrys* filipes.

**AFROCARPUS** (Buchh. & E. Gray) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 383 (1988 publ. 1989): *Podocarpus* sect. *Afrocarpus* (Podocarpaceae).

- dawei (Stapf) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 384 (1988 publ. 1989): *Podocarpus* dawei.  
 falcata (Thunb.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 383 (1988 publ. 1989): *Taxus* falcata.  
 gaussenii (Woltz) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 384 (1988 publ. 1989): *Podocarpus* gaussenii.  
 gracilior (Pilger) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 383 (1988 publ. 1989): *Podocarpus* gracilior.  
 mannii (Hook. f.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 384 (1988 publ. 1989): *Podocarpus* mannii.  
 usambarensis (Pilger) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 384 (1988 publ. 1989): *Podocarpus* usambarensis.

**AFROTHISMIA** (Burmanniac.).

- insignis E.J. Cowley in *Fl. Trop. E. Afr., Burmanniac.*: 7 (1988)—Tanzania.  
 winkleri  
 var. *budongensis* E.J. Cowley in *Fl. Trop. E. Afr., Burmanniac.*: 7 (1988)—Uganda.

**AFROTYSONIA** (Boraginac.).

- glochidiata (R. Mill) R.R. Mill in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 470 (1986): *Tysonia* glochidiata.  
 pilosicaulis R.R. Mill in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 472 (1986)—Tanzania.

**AGALINIS** (Scrophulariac.).

- bandeirensis K. Barringer in *Brittonia*, 39(3): 353 (1987)—Brazil.  
 bangii (Kuntze) K. Barringer in *Brittonia*, 39(3): 353 (1987): *Gerardia* bangii.  
 digitalis (Benth.) K. Barringer in *Brittonia*, 39(3): 355 (1987): *Gerardia* digitalis.  
 gypsophila B.L. Turner in *Phytologia*, 59(5): 319 (1986)—Mexico.  
 linarioides  
 subsp. *rojassii* K. Barringer in *Brittonia*, 39(3): 357 (1987)—Paraguay.  
 meyeniana (Benth.) K. Barringer in *Brittonia*, 39(3): 355 (1987): *Gerardia* rigida  $\beta$  meyeniana.  
 ramulifera K. Barringer in *Brittonia*, 39(3): 355 (1987)—Brazil.

**AGANOSMA** (Apocynac.).

- kwangsiensis  
 var. *longilobata* Y. Wan ex C.Z. Gao in *Guihaia*, 10(3): 180 (1990)—China.

**AGAPANTHUS** (Alliac.).

- globosus *Bull. Cat.* 1899: 3 (1899); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.  
 insignis *Bull. Cat.*, 377: ii (tab.), 1 (1904); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**AGAPETES** (Ericac.).

- camelliifolia S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 318 (1987)—Xizang.  
 ciliata S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 314 (1987)—Xizang.  
 leiocarpa S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 317 (1987)—Xizang.  
 leucocarpa S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 317 (1987)—Xizang.  
 medogensis S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 315 (1987)—Xizang.  
 rugosus (Hook. f.) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*, 2: 542 (1987): *Pentapterygium* rugosum.  
 subansirica G.D. Pal & K. Thothathri in *Bull. Bot. Surv. India*, 26(3-4): 239 (1984 publ. 1986)—India.  
 xizangensis S.H. Huang in *Acta Phytotax. Sin.*, 25(4): 315 (1987)—Xizang.

**AGARISTA** (Ericac.).

- villarrealana L.M. González V. in *Acta Bot. Mex.*, 5: 13 (1989)—Mexico.

**AGASTACHE** (Labiata.).

- ser. *Brittonastrum* (Briquet) R.W. Sanders, *Taxon. Agastache* sect. *Brittonastrum* (Lamiac.-Nepeteae) (*Syst. Bot. Monog.*, 15): 30 (1987): gen. *Brittonastrum*.  
 ser. *Canae* R.W. Sanders, *Taxon. Agastache* sect. *Brittonastrum* (Lamiac.-Nepeteae) (*Syst. Bot. Monog.*, 15): 68 (1987).  
 ser. *Mearnsianae* R.W. Sanders, *Taxon. Agastache* sect. *Brittonastrum* (Lamiac.-Nepeteae) (*Syst. Bot. Monog.*, 15): 47 (1987).  
 ser. *Micranthae* R.W. Sanders, *Taxon. Agastache* sect. *Brittonastrum* (Lamiac.-Nepeteae) (*Syst. Bot. Monog.*, 15): 78 (1987).  
 ser. *Pallidae* R.W. Sanders, *Taxon. Agastache* sect. *Brittonastrum* (Lamiac.-Nepeteae) (*Syst. Bot. Monog.*, 15): 41 (1987).  
 mexicana  
 subsp. *xolocotziana* R. Bye, E. Linares & T.P. Ramamoorthy in *Phytologia*, 62(3): 157 (1987)—Mexico.

**AGATHIS** (Araucariac.).

- sect. *Rostrata* D.J. de Laubenfels in *Fl. Males.*, 10(3): 439 (1988).  
 macrophylla  
 var. *obtusata* (Lindley) J. Silba in *Phytologia*, 68(1): 23 (1990): *Dammara* obtusata.  
 silbae D.J. de Laubenfels in *Phytologia*, 61(7): 448 (1987), as 'silbai'—Vanuatu.  
 spatulata D.J. de Laubenfels in *Fl. Males.*, 10(3): 435 (1988)—New Guinea (Papua New Guinea).

**AGATHISANTHEMUM** (Rubiace.).

- bojeri  
 subsp. *angolense* (Bremek.) B. Verdcourt in *Fl. Zambes.*, 5(1): 110 (1989): *A. angolense*.  
 var. *linearifolia* B. Verdcourt in *Fl. Zambes.*, 5(1): 110 (1989)—Zambia.

**AGATHYRSUS** (Compos.).

- acuminatus (Willd.) Sweet, *Hort. Brit.*, ed. 2: 277 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): Basionym not stated.  
 macrophyllus (Willd.) Sweet, *Hort. Brit.*, ed. 2: 277 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): Basionym not stated.  
 sonchifolius (Willd.) Sweet, *Hort. Brit.*, ed. 2: 277 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982): Basionym not stated.

**AGAVE** (Agavac.).

- cantala (Haw.) Roxb. ex Salm-Dyck, *Index Pl. Succ. Hort. Dyck.*: 1 (1822); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): Basionym not stated.  
 grijalvensis B. Ullrich in *Kakt. And. Sukk.*, 41(6): 108 (1990)—Mexico.  
 madagascariensis (Haw.) Salm-Dyck, *Index Pl. Succ. Hort. Dyck.*: 1 (1822); cf. D.J. Mabberley in *Taxon*, 30(1): 14 (1981): Basionym not stated.  
 papyriocarpa  
 subsp. *macrocarpa* A. Alvarez de Zayas in *Rev. Jard. Bot. Nacion. Univ. Habana*, 5(3): 7 (1984 publ. 1985)—Cuba.  
 scabra C. Gomez Ortega, *Nov. Pl. Descr. Dec.*: 13 (1797)—Mexico.  
 striata  
 subsp. *stricta* (Salm-Dyck) B. Ullrich in *Kakt. And. Sukk.*, 41(5): centre page pull-out p. 89 (1990): *A. stricta*.  
 tubulata  
 subsp. *brevituba* A. Alvarez de Zayas in *Rev. Jard. Bot. Nacion. Univ. Habana*, 5(3): 7 (1984 publ. 1985)—Cuba.

**AGELAEAE** (Connarac.).

- sect. *Troostwykia* (Miq.) C.C.H. Jongkind in *Agric. Univ. Wageningen Pap.*, 89(6): 138, 137 (1989): gen. *Troostwykia*.  
 paradoxa  
 var. *microcarpa* C.C.H. Jongkind in *Agric. Univ. Wageningen Pap.*, 89(6): 142 (1989)—Ivory Coast, Guinea, Sierra Leone, Liberia, Ghana, Nigeria, Cameroun, Central African Republic, Gabon, Congo-Brazzaville, Zaire.

**AGERATINA** (Compos.).

- alexanderi R.M. King & H. Robinson in *Phytologia*, 69(2): 62 (1990)—Costa Rica.  
 aromatica  
 var. *incisa* (A. Gray) C.F. Reed in *Phytologia*, 63(5): 412 (1987): *Eupatorium* aromaticum var. *incisum*.  
 asclepiadea (L.f.) R.M. King & H. Robinson in *Phytologia*, 60(1): 80 (1986): *Cacalia* asclepiadea.  
 astellera (B.L. Turner) B.L. Turner in *Phytologia*, 63(1): 5 (1987): *Eupatorium* astellera.  
 barriei B.L. Turner in *Phytologia*, 64(1): 14 (1987)—Mexico.  
 beamanii B.L. Turner in *Phytologia*, 64(1): 15 (1987)—Mexico.  
 capillipes R.M. King & H. Robinson in *Phytologia*, 69(2): 62 (1990)—Guatemala, Mexico.  
 celestini (Cuatr.) R.M. King & H. Robinson in *Phytologia*, 65(1): 62 (1988): *Eupatorium* celestini.  
 chazaroana B.L. Turner in *Phytologia*, 67(2): 115 (1989)—Mexico.  
 chimalapana B.L. Turner in *Phytologia*, 67(5): 400 (1989)—Mexico.  
 espinosarum  
 var. *subintegrifolia* (B.L. Rob.) B.L. Turner in *Phytologia*, 64(1): 22 (1987): *Eupatorium* espinosarum var. *subintegrifolium*.  
 gentryana B.L. Turner in *Phytologia*, 64(1): 16 (1987)—Mexico.  
 grandifolia (Regel) R.M. King & H. Robinson in *Phytologia*, 60(1): 80 (1986): *Eupatorium* grandifolium.  
 grashoffii B.L. Turner in *Phytologia*, 61(2): 77 (1986)—Mexico.



**AGERATINA** :-

- guatemalensis R.M. King & H. Robinson in *Phytologia*, 69(2): 65 (1990)—Guatemala.
- hernandezii B.L. Turner in *Phytologia*, 64(1): 17 (1987)—Mexico.
- herreriae R.M. King & H. Robinson in *Phytologia*, 69(2): 67 (1990)—Panama.
- hirtella R.M. King & H. Robinson in *Phytologia*, 69(2): 69 (1990)—Costa Rica.
- huehueteca (Standley & Steyerl.) R.M. King & H. Robinson in *Phytologia*, 69(2): 61 (1990): Eupatorium huehuetecum.
- macdonaldii B.L. Turner in *Phytologia*, 68(3): 165 (1990)—Mexico.
- maireriana  
var. elucens (McVaugh) B.L. Turner in *Phytologia*, 63(6): 423 (1987): Eupatorium mairerianum f. elucens.
- manantlana B.L. Turner in *Phytologia*, 64(4): 269 (1988)—Mexico.
- moorei B.L. Turner in *Phytologia*, 68(2): 95 (1990)—Mexico.
- motozintlensis R.M. King & H. Robinson in *Phytologia*, 69(2): 71 (1990)—Mexico.
- neohintoniorum B.L. Turner in *Phytologia*, 64(1): 18 (1987)—Mexico.
- oppositifolia (A. Gray) B.L. Turner in *Phytologia*, 63(1): 5 (1987): Bigelovia oppositifolia.
- oreithales (Greenm.) B.L. Turner in *Phytologia*, 64(1): 19 (1987): Eupatorium oreithales.
- parayana (Espinosa) B.L. Turner in *Phytologia*, 64(1): 19 (1987): Eupatorium parayana.
- perezii B.L. Turner in *Phytologia*, 67(2): 116 (1989)—Mexico.
- pichinchensis  
var. bustamenta (DC.) R.M. King & H. Robinson in *Phytologia*, 69(2): 61 (1990): Eupatorium bustamenta.
- potosina B.L. Turner in *Phytologia*, 64(1): 20 (1987)—Mexico.
- queretaroana B.L. Turner in *Phytologia*, 64(1): 21 (1987)—Mexico.
- ramireziorum (Espinosa) B.L. Turner in *Phytologia*, 64(1): 22 (1987): Eupatorium ramireziorum.
- riskindii B.L. Turner in *Phytologia*, 63(6): 431 (1987)—Mexico.
- robinsoniana (Greene) B.L. Turner in *Phytologia*, 64(1): 22 (1987): Eupatorium robinsonianum.
- sandersii B.L. Turner in *Phytologia*, 64(1): 23 (1987)—Mexico.
- seleri B.L. Turner in *Phytologia*, 63(1): 4 (1987)—Mexico.
- sousae B.L. Turner in *Phytologia*, 64(1): 23 (1987)—Mexico.
- subcoriacea R.M. King & H. Robinson in *Phytologia*, 69(2): 73 (1990)—Mexico.
- sundbergii B.L. Turner in *Phytologia*, 61(2): 78 (1986)—Mexico.
- thomasii R.M. King & H. Robinson in *Phytologia*, 69(2): 73 (1990)—Mexico.
- triangulata (Alam. ex DC.) B.L. Turner in *Phytologia*, 64(1): 24 (1987): Eupatorium triangulatum.
- valerioi R.M. King & H. Robinson in *Phytologia*, 69(2): 76 (1990)—Costa Rica.
- warnockii B.L. Turner in *Phytologia*, 64(1): 25 (1987)—Mexico.
- yecorana B.L. Turner in *Phytologia*, 63(6): 425 (1987)—Mexico.

**AGERATINASTRUM** (Compos.).

- lejolyanum (Adamska & Lisowski) K. Kalandia in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 384 (1986): Vernonia lejolyana.

**AGERATUM** (Compos.).

- album Hort. Berol. ex Hornem., Hort. Hafn.: 792 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.
- conyzoides  
subsp. houstonianum (Mill.) M. Sharma in *Geobios New Rep.*, 3(2): 152 (1984): A. houstonianum.
- foetens C. Huber in *Revue horticole*, 46: 467 (1874); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.
- hondurensis R.M. King & H. Robinson in *Phytologia*, 69(2): 93 (1990)—Honduras.
- molinae R.M. King & H. Robinson in *Phytologia*, 69(2): 95 (1990)—Honduras.

**AGERATUM** :-

- munaense R.M. King & H. Robinson in *Phytologia*, 69(2): 97 (1990)—Mexico.
- tehuacanum R.M. King & H. Robinson in *Phytologia*, 69(2): 99 (1990)—Mexico.

**AGLAIA** (Meliac.).

- beddomei (Kosterm.) S.S. Jain & R.C. Gaur in *J. Econ. Taxon. Bot.*, 7(2): 465 (1985 publ. 1986): Amoora beddomei.
- exstipulata (Griff.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 583 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 154 (1985): Euphoria exstipulata.
- koordersii S.S. Jain & S.S.R. Bennet in *Indian J. Forest.*, 9(3): 271 (1986 publ. 1987), nom. nov.: A. hiernii Koord. & Valet. ex Koord.
- mannii (King ex Brandis) S.S. Jain & R.C. Gaur in *J. Econ. Taxon. Bot.*, 7(2): 466 (1985 publ. 1986): Amoora mannii.
- spectabilis (Miq.) S.S. Jain & S.S.R. Bennet in *Indian J. Forest.*, 9(3): 271 (1986 publ. 1987): Amoora spectabilis.

**AGLOSSORHYNCHA** (Orchidac.).

- bilobula P.J. Kores in *Allertonia*, 5(1): 117 (1989)—Fiji.

**AGOSERIS** (Compos.).

- aurantiaca  
subsp. purpurea (Gray) G.W. Douglas in *Canad. J. Bot.*, 64(11): 2726 (1986): Macrorhynchus purpureus.
- lackschewitzii D.M. Henderson & R.K. Moseley in *Syst. Bot.*, 15(3): 462 (1990)—U.S.A. (Idaho, Montana).

**AGRAULUS** (Gramin.).

- flavescens (Host) Sweet, *Hort. Brit.*, ed. 2: 556 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982): Basionym not stated.

**AGRIMONIA** (Rosac.).

- gorovoi S.D. Rumyantsev in *Bot. Zhurn.*, 72(9): 1258 (1987)—U.S.S.R. (Soviet Far East).
- pilosa  
subsp. dahurica (Willd. ex Sér.) R.V. Kamelin in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 91(6): 92 (1986): A. dahurica.

**AGRIOPHYLLUM** (Chenopodiace.).

- montasirii A. El-Gazzar in *Mitt. Bot. Staatssamml. München*, 27: 16 (1988), as 'montasiri'—Saudi Arabia.

**XAGROPOGON** (Gramin.).

- robinsonii (Druce) Melderis & D. McClintock in *D. McClintock, Suppl. Wild Flow. Guernsey*: 49 (1987), as 'Agropyron': Agrostis × robinsonii.

**AGROPYRON** (Gramin.).

- ciliare  
subsp. amurense (Drobov) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 483 (1987): A. amurense.
- subsp. minor (Miquel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 483 (1987): Brachypodium japonicum var. minor.
- cristatum  
f. calvum (Schur) P. Boža & O. Vasić in *Fl. SR Srbije*, 10: 253 (1986): Crempopyrum pectinatum a. calvum.
- f. imbricatum (Roem. & Schult.) A.V. Bukhteeva in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 120: 87 (1988): A. imbricatum.
- var. pectiniforme (Steud.) A.V. Bukhteeva in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 120: 87 (1988): Triticum pectiniforme.
- f. pectiniforme (Roem. & Schult.) A.V. Bukhteeva in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 120: 87 (1988): A. pectiniforme.
- f. villosum (Litv.) A.V. Bukhteeva in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 120: 88 (1988): A. cristatum var. villosum.
- erickssonii (Meld.) G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 38 (1990): A. cristatum var. erickssonii.

**AGROPYRON** :-

- fragile  
var. longe-aristatum A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).
- gmelinii  
subsp. tenuisetum (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 484 (1987): A. turczaninovii var. tenuisetum.
- intermedium (Host) Beauvois, *Ess. Agrostogr.*: 102, 146 (1812): Triticum intermedium.†
- pectinatum  
var. gluma-villosa A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).

**XAGROSITANION** (Gramin.).

- pinalenoensis G.L. Pyrah in *Great Basin Nat.*, 43(1): 135 (1983)—U.S.A. (Arizona). (Agropyron arizonicum × Sitanion hystrix var. brevifolium).

**AGROSTIS** (Gramin.).

- subgen. Zingrostis A.T. Romero García, G. Blanca López & C. Morales Torres in *Ruizia*, 7: 135 (1988).
- billardieri  
var. collicola D.I. Morris in *Muelleria*, 7(2): 147 (1990)—Tasmania.
- var. tenuiseta D.I. Morris in *Muelleria*, 7(2): 147 (1990)—Tasmania.
- ×bodaibensis G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 106 (1990)—U.S.S.R. (Siberia). (A. sibirica × trinii).
- brevipes Keng ex J.L. Yang in *Fl. Sichuanica*, 5(2): 122 (1988)—China, Xizang.
- calderoniae S. Acosta Castellanos in *Phytologia*, 62(6): 449 (1987)—Mexico.
- canina  
subsp. granatensis A.T. Romero García, G. Blanca López & C. Morales Torres in *An. Jard. Bot. Madrid*, 43(1): 52 (1986)—Spain.
- capillaris  
subsp. castellana (Boiss. & Reut.) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): A. castellana.
- subsp. olivetorum (Godron) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): A. olivetorum.
- castellana  
var. mutica (Boiss. & Reuter) Kerguelen ex A.T. Romero García, G. Blanca López & C. Morales Torres in *Ruizia*, 7: 118 (1988): A. hispanica var. mutica.
- ciliata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 111 (1784)—Japan.†
- clavata  
subsp. micrantha (Steud.) Y.C. Tong in *Fl. Xizangica*, 5: 233 (1987): A. micrantha.
- var. putoranica G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 107 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia).
- diffusa S.M. Phillips in *Kew Bull.*, 41(1): 137 (1986)—Ethiopia.
- exarata  
subsp. clavata (Trinius) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 484 (1987): A. clavata.
- subsp. nukabo (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 484 (1987): A. clavata var. nukabo.
- flaccida  
subsp. trinii (Turczaninov ex Litwinov) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 484 (1987): A. trinii.
- gigantea  
subsp. gautieri (Sennen) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 355 (1989): A. gautieri.
- hesperica A.T. Romero García, G. Blanca López & C. Morales Torres in *An. Jard. Bot. Madrid*, 43(1): 52 (1986)—Spain, Portugal.
- koelerioides A.M. Romo i Díez in *Treb. Inst. Bot. Barcelona*, 11: 37 (1987)—Morocco.
- lacunis D.I. Morris in *Muelleria*, 7(2): 149 (1990)—Tasmania.
- mannii  
subsp. aethiopica S.M. Phillips in *Kew Bull.*, 41(1): 134 (1986)—Ethiopia.

**AGROSTIS** :-

- mertensii*  
*f. macrantha* (Eames) J. Cayouette in *Nat. Canad.*, 113(4): 331 (1986): A. borealis var. *macrantha*.  
*micrandra* Keng ex J.L. Yang in *Fl. Sichuanica*, 5(2): 128 (1988)—China.  
*munroana*  
*subsp. indica* S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 205 (1983 publ. 1985)—India.  
*novogaliciana* R. McVaugh, *Fl. Novo-Galiciana*, 14: 41 (1983)—Mexico.  
*pilosula*  
*f. ciliata* (Trin.) S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 210 (1983 publ. 1985): A. ciliata.  
*f. filifolia* (Bor.) S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 210 (1983 publ. 1985): A. pilosula var. *filifolia*.  
*f. wallichiana* (Steud.) S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 210 (1983 publ. 1985): A. wallichiana.  
*rigidula*  
*subsp. arisan-montana* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 485 (1987): A. arisan-montana.  
*subsp. fukuyamae* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 485 (1987): A. fukuyamae.  
*rubra* F. Dujardin, *Fl. Indre et Loire*: 278 (1833), non L. (1753)—France.  
*stolonifera*  
*subsp. sokolovskajae* (Probat.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 95(2): 91 (1990): A. sokolovskajae.  
*tenuis*  
*f. aristata* I.G. Zoz & E.S. Kul'tenko in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 126 (1976 publ. 1977)—U.S.S.R. (Ukraine).  
*trinii*  
*subsp. kudoi* (Honda) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 95(2): 91 (1990): A. kudoi.  
*tungnathii* S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 204 (1983 publ. 1985)—India.  
*tuvonica* G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 112 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia), Mongolia.

**AGROSTOPHYLLUM** (Orchidac.).

- aristatum* P.J. Kores in *Allertonia*, 5(1): 107 (1989)—Fiji.  
*elongatum* (Ridley) A. Schuiteman in *Blumea*, 35(1): 165 (1990): *Appendicula elongata*.

**AIDIA** (Rubiace.).

- chantonea* D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 272 (1986)—Vietnam, Cambodia, Thailand.  
*coriacea* (Miq.) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 268 (1986): *Urophyllum coriaceum*.  
*graeffei* (Reinecke) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 270 (1986): *Randia graeffei*.  
*merrillii* (Chun) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 271 (1986): *Randia merrillii*.  
*oblongata* (Miq.) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 271 (1986): *Gynopachis oblongata*.  
*rugulosa* (Thw.) D.D. Tirvengadam in *Ceylon J. Sci., Biol. Sci.*, 14(1-2): 3 (1981), without basionym ref.: Basionym not stated.  
*spicata* (Valeton) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 271 (1986): *Randia spicata*.  
*thozetiana* (F. Muell.) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 272 (1986): *Ixora thozetiana*.  
*wallichiana* D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 263 (1986), nom. nov.: *Webera densiflora* Wall.

**AIDIOPSIS** D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 287 (1986). **RUBIACEAE**.**AIDIOPSIS** :-

- forbesii* (King & Gamble) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 288 (1986): *Randia forbesii*.

**AILANTHUS** (Simaroubac.).

- vilmoriniana*  
*var. henanensis* J.Y. Chen & L.Y. Jin in *Acta Bot. Yunnanica*, 12(1): 42 (1990)—China.

**AINSLIAEA** (Compos.).

- spanocephala* Y.C. Tseng in *Acta Phytotax. Sin.*, 26(1): 74 (1988)—Thailand.

**AIOUEA** (Laurac.).

- inconspicua* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 401 (1987)—Mexico, Guatemala.  
*obscura* H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 402 (1988)—Costa Rica.  
*talamancensis* W. Burger in *Feldiana, Bot.*, 23: 37 (1990)—Costa Rica.  
*vexatrix* H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 404 (1988)—Panama.

**AIPHANES** (Palmae).

- chiribogensis* F. Borchsenius & H. Balslev in *Nordic J. Bot.*, 9(4): 386 (1989 publ. 1990)—Ecuador.  
*grandis* F. Borchsenius & H. Balslev in *Nordic J. Bot.*, 9(4): 388 (1989 publ. 1990)—Ecuador.  
*tricuspidata* F. Borchsenius, R.G. Bernal & M. Ruiz in *Brittonia*, 41(2): 156 (1989)—Ecuador, Colombia.  
*verrucosa* F. Borchsenius & H. Balslev in *Nordic J. Bot.*, 9(4): 389 (1989 publ. 1990); see also *Nordic J. Bot.*, 10(1): 48 (1990)—Ecuador.

**AIRA** (Gramin.).

- collina* (Dumort.) B.D. Jackson in *Index Kewensis*, 1: 67 (1753—1885 publ. 1893): A. *flexuosa* \* (subsp.) *collina*.  
*hartmaniana* (Nyman) B.D. Jackson in *Index Kewensis*, 1: 68 (1753—1885 publ. 1893): A. *caespitosa* \* *hartmaniana*.  
*insularis* (Parl.) J. Woods, *Tourist's Fl.*: 403 (1850): *Antinoria insularis*.  
*littoralis* (Gaudin) C.-H. Godet, *Fl. Jura*, 2: 803 (1853): A. *caespitosa*  $\beta$  *littoralis*.

**AJANIA** (Compos.).

- abolinii* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 23: 247 (1986)—U.S.S.R. (Middle Asia).  
*korovinii* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 23: 246 (1986)—U.S.S.R. (Middle Asia).

**AJUGA** (Labiat.).

- davisiana* Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 448 (1988 publ. 1989)—Turkey.  
*decumbens* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 525 (1784)—Japan.†  
*var. rosa* Y.N. Lee in *Korean J. Bot.*, 25(4): 177 (1982)—Korea.  
*orientalis*  
*subsp. aenesia* (Heldr.) D. Phitos & J. Damboldt in *Bot. Chronika*, 5(1-2): 111 (1985): A. *orientalis* var. *aenesia*.

**AKANIA** (Akaniac.).

- bidwillii* (Hogg) D.J. Mabberley, *Plant-book*: 707 (1989 reprint): *Lomatia bidwillii*.

**ALANGIUM** (Alangiace.).

- chinense*  
*var. pauciflorum* Fang ex Y.C. Ho in *Fl. Tsinlingensis*, 1(3): 455, 347 (1981)—China.  
*faberi*  
*var. dolichocarpum* Z.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 129 (1988)—Xizang.

**ALBERTISIA** (Menispermac.).

- puberula* L.L. Forman in *Kew Bull.*, 45(1): 100 (1990) Thailand.

**ALBIZIA** (Legumin.).

- adanthifolia*  
*var. intermedia* (De Wildeman & T. Durand) J.F. Villiers in *Fl. Gabon*, 31: 147 (1989): A. *intermedia*.  
*blanchetii* (Benth.) G.P. Lewis, *Legumes of Bahia*: 162 (1987): *Enterolobium blanchetii*.

**ALBIZIA** :-

- callistemon* (Montr.) A. Guillaumin & G. Beauvisage in *Ann. Soc. Bot. Lyon*, 38: 89 (1913 publ. 1914); et *Sp. Montrouz.*: 15 (1914) (reprint): *Acacia callistemon*.†  
*corymbosa* (L.C. Rich.) G.P. Lewis & P.E. Owen, *Legumes of Ilha de Maracá*: 40 (1989): *Mimosa corymbosa*.  
*glabripetala* (H.S. Irwin) G.P. Lewis & P.E. Owen, *Legumes of Ilha de Maracá*: 42 (1989): *Pithecellobium glabripetalum*.  
*inopinata* (Harms) G.P. Lewis, *Legumes of Bahia*: 162 (1987): *Serianthes inopinata*.  
*julibrissin*  
*f. albiflora* J. Ohara in *J. Phytogeogr. Taxon.*, 33(2): 72 (1985)—Japan.  
*f. tianshuiensis* T.S. Yao in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 121 (1988)—China.  
*lancangensis* Y.Y. Qian in *Acta Bot. Austro Sinica*, 4: 11 (1989)—China.  
*lucidior* (Steud.) I. Nielson ex H. Hara in *Enum. Fl. Pl. Nepal*, 2: 104 (11 June 1979): *Inga lucidior*.  
*polyantha* (Spreng. f.) G.P. Lewis, *Legumes of Bahia*: 164 (1987): *Acacia polyantha*.

**ALBUCA** (Hyacinthac.).

- tenuis* S.H. Knudtson in *Nordic J. Bot.*, 6(6): 785 (1986)—Kenya.

**ALCHEMILLA** (Rosac.).

- nothosect. Coriacea* S. Fröhner in *Gleditschia*, 14(1): 41 (1986), contrary to Arts. 32.1(b) and H7 ICBN 1983. (A. sect. *Erectae*  $\times$  sect. *Pentaphylleae*  $\times$  sect. *Ultravulgares*).  
*nothosect. Decumbentes* S. Fröhner in *Gleditschia*, 14(1): 36 (1986), contrary to Arts. 32.1(b) and H7 ICBN 1983. (A. sect. *Pentaphylleae*  $\times$  sect. *Ultravulgares*).  
*sect. Erectae* S. Fröhner in *Gleditschia*, 14(1): 30 (1986).  
*nothosect. Flabellatae* S. Fröhner in *Gleditschia*, 14(1): 44 (1986), contrary to Arts. 32.1(b) and H7 ICBN 1983. (A. sect. *Alpinae*  $\times$  sect. *Erectae*  $\times$  sect. *Pentaphylleae*).  
*nothosect. Glaciales* S. Fröhner in *Gleditschia*, 14(1): 39 (1986), contrary to Arts. 32.1(b) and H7 ICBN 1983. (A. sect. *Alpinae*  $\times$  sect. *Pentaphylleae*).  
*nothosect. Plicatae* S. Fröhner in *Gleditschia*, 14(1): 45 (1986), contrary to Arts. 32.1(b) and H7 ICBN 1983. (A. sect. *Alpinae*  $\times$  sect. *Pentaphylleae*  $\times$  sect. *Ultravulgares*).  
*sect. Ultravulgares* S. Fröhner in *Gleditschia*, 14(1): 31 (1986).  
*colura* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 370 (1986)—South Africa (Cape Province, Natal), Lesotho.  
*contractilis* (Plocek) S. Fröhner in *Gleditschia*, 14(1): 18 (1986): A. *monticola* var. *contractilis*.  
*crassa* (Plocek) A. Plocek in *Folia Geobot. Phytotax.*, 21(4): 424 (1986): A. *monticola* var. *crassa*.  
*delitescens* A. Plocek in *Folia Geobot. Phytotax.*, 21(4): 425 (1986)—Czechoslovakia.  
*deyllii* Plocek ex J. Soják in *Sborn. Nár. Muz. Praze, B*, 39(1): 57 (1983)—U.S.S.R. (Ukraine).  
*dostalii* A. Plocek in *Folia Geobot. Phytotax.*, 21(4): 426 (1986)—Czechoslovakia.  
*galkinae* S. Fröhner in *Candollea*, 41(2): 255 (1986)—Switzerland.  
*gingolphiana* S. Fröhner in *Candollea*, 41(2): 256 (1986)—Switzerland.  
*gracilis*  
*f. adpressepilosa* (Snarskis) L. Asklund in *Svensk. Bot. Tidskr.*, 84(4): 283 (1990): A. *micans* f. *adpressepilosa*.  
*grenieri* J. Guillot in *Bull. Soc. Bot. France, Lett. Bot.*, 136(2): 152 (1989)—France.  
*hoverlensis* M. Pavlyus & O.L. Lovelius in *Ukr. Bot. Zhurn.*, 45(1): 66 (1988)—U.S.S.R. (Ukraine).  
*mollifolia* A. Plocek & J. Zlinská in *Biologia, A (Czechoslovakia)*, 42(9): 915 (1987)—Czechoslovakia.  
*monocophila* A. Plocek in *Folia Geobot. Phytotax.*, 21(4): 426 (1986)—Czechoslovakia.  
*obtusata*  
*subsp. trapezialis* A. Plocek in *Folia Geobot. Phytotax.*, 21(4): 423 (1986)—Czechoslovakia.

**ALCHEMILLA** :-

- pungentiflora (*Plocek*) *A. Plocek* in *Folia Geobot. Phytotax.*, 21(4): 425 (1986); *A. glabra* var. *pungentiflora*.  
 reniformis  
*subsp. ursina* (*Fröhner*) *A. Plocek* in *Folia Geobot. Phytotax.*, 21(4): 424 (1986); *A. ursina*.  
*rhodobasis* *A. Plocek* in *Folia Geobot. Phytotax.*, 21(4): 426 (1986)—Czechoslovakia.  
*sojakii* *A. Plocek* in *Folia Geobot. Phytotax.*, 21(4): 427 (1986)—Czechoslovakia.

**ALCHORNEA** (Euphorbiac.).

- hunanensis* *H.S. Kiu* in *Acta Phytotax. Sin.*, 26(6): 458 (1988)—China.  
*janeirensis* *Casari* in *Atti 3 Riun. Sci. Ital.*: 515 (1841); cf. *D.J. Mabberley* in *Taxon*, 30(1): 14 (1981)—Locality not stated.  
*trewioides*  
*var. sinica* *H.S. Kiu* in *Acta Phytotax. Sin.*, 26(6): 460 (1988)—China.

**ALDAMA** (Compos.).

- mesoamericana* *N.A. Harriman* in *Syst. Bot.*, 14(4): 580 (1989)—Nicaragua.

**ALECTRA** (Scrophulariac.).

- dolichocalyx* *D. Philcox* in *Bol. Soc. Brot.*, 60: 269 (1987)—Zambia.  
*glandulosa* *D. Philcox* in *Bol. Soc. Brot.*, 60: 269 (1987)—Zambia.  
*pubescens* *D. Philcox* in *Bol. Soc. Brot.*, 60: 269 (1987)—Zambia.  
*sessiliflora*  
*f. barbata* (*Hiern*) *O.M. Hilliard* & *B.L. Burtt* in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 375 (1986); *Melasma barbatum*.

**ALECTRYON** (Sapindac.).

- subgen. Synalectryon* (*Radlk.*) *P.W. Leenhouts* in *Blumea*, 33(2): 315 (1988); *A. sect. Synalectryon*.  
*cardiocarpus* *P.W. Leenhouts* in *Blumea*, 32(1): 221 (1987)—New Guinea (*W. Irian*, Papua New Guinea).  
*diversifolius* (*F. Muell.*) *S.T. Reynolds* in *Austrobaileya*, 2(4): 335 (1987); *Heterodendrum diversifolium*.  
*kangeanensis* *P.W. Leenhouts* in *Blumea*, 32(1): 222 (1987)—Java.  
*myrmecophilus* *P.W. Leenhouts* in *Blumea*, 32(1): 223 (1987)—New Guinea (Papua New Guinea).  
*oleifolius* (*Desf.*) *S.T. Reynolds* in *Austrobaileya*, 2(4): 335 (1987); *Heterodendrum oleifolium*.  
*subsp. canescens* *S.T. Reynolds* in *Austrobaileya*, 2(4): 337 (1987), nom. nov.: *Heterodendrum macrocalyx* *Radlk.*  
*subsp. elongatus* *S.T. Reynolds* in *Austrobaileya*, 2(4): 337 (1987), nom. nov.: *Heterodendrum microcalyx* *Radlk.*  
*pubescens* (*S. Reyn.*) *S.T. Reynolds* in *Austrobaileya*, 2(4): 335 (1987); *Heterodendrum pubescens*.  
*ramiflorus* *S.T. Reynolds* in *Austrobaileya*, 2(4): 332 (1987)—Australia (Queensland).  
*tropicus* (*S. Reyn.*) *S.T. Reynolds* in *Austrobaileya*, 2(4): 335 (1987); *Heterodendrum tropicum*.

**ALETRIS** (Melanthiac.).

- yaanica* *G.H. Yang* in *Acta Phytotax. Sin.*, 25(3): 237 (1987)—China.

**ALEXA** (Legumin.).

- herminiana* *N. Ramirez* in *Ernstia*, 37: 41 (1986)—Venezuela.

**ALEXGEORGEA** (Restionac.).

- nitens* (*Nees*) *L.A.S. Johnson* & *B. Briggs* in *Telopea*, 2(6): 781 (24 April 1986); also published by *S. Carlquist* in *Aliso*, 11(2): 158 (1985 publ. 29 April 1986); *Restio nitens*.

**ALFAROA** (Juglandac.).

- roxburghiana* (*Wall.*) *I.A. Il'inskaya* in *Bot. Zhurn.*, 75(6): 796 (1990); *Engelhardtia roxburghiana*.

**ALFREDIA** (Compos.).

- integrifolia* (*Iljin*) *M. Tulyaganova* in *Bot. Zhurn.*, 72(6): 827 (1987); *A. nivea* f. *integrifolia*.

**ALGERNONIA** (Euphorbiac.).

- gibbosa* (*Pax* & *K. Hoffm.*) *M. Emmerich* in *Arg. Mus. Nac. (Rio de Janeiro)*, 56: 93 (1981); *Tetraplandra gibbosa*.  
*glazioui* *M. Emmerich* in *Arg. Mus. Nac. (Rio de Janeiro)*, 56: 94 (1981)—Brazil.

**ALIBERTIA** (Rubiace.).

- stipularis* (*Ducke*) *J. Schultze-Motel* in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 2: 1094 (1986); *Thieleodoxa stipularis*.  
*verticillata* (*Ducke*) *J. Schultze-Motel* in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 2: 1094 (1986); *Thieleodoxa verticillata*.

**ALIELLA** *M. Qaiser* & *H.W. Lack* in *Bot. Jahrb.*, 106(4): 488 (1986). **COMPOSITAE**.

- embergeri* (*Humbert* & *Maire*) *M. Qaiser* & *H.W. Lack* in *Bot. Jahrb.*, 106(4): 493 (1986); *Phagnalon embergeri*.  
*helichrysoides* (*Ball*) *M. Qaiser* & *H.W. Lack* in *Bot. Jahrb.*, 106(4): 492 (1986); *Gnaphalium helichrysoides*.  
*helichrysoides*  
*subsp. nitidum* (*Emb.*) *M. Qaiser* & *H.W. Lack* in *Bot. Jahrb.*, 106(4): 493 (1986); *Phagnalon helichrysoides* var. *nitidum*.  
*platyphylla* (*Maire*) *M. Qaiser* & *H.W. Lack* in *Bot. Jahrb.*, 106(4): 490 (1986); *Gnaphalium helichrysoides* var. *platyphyllum*.

**ALINULA** (Cyperac.).

- malawica* (*J. Raynal*) *P. Goetghebeur* & *P. Vorster* in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 462 (1988); *Mariscus malawicus*.  
*paradoxa* (*Chermeson*) *P. Goetghebeur* & *P. Vorster* in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 461 (1988); *Lipocarpa paradoxa*.  
*peteri* (*Kük.*) *P. Goetghebeur* & *P. Vorster* in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 464 (1988); *Ascolepis peteri*.

**ALISMA** (Alismat.).

- canaliculatum*  
*var. azumoiense* *Y. Kadono* & *S. Hamashima* in *J. Jap. Bot.*, 63(12): 411 (1988)—Japan.

**ALKANNA** (Boraginac.).

- graeca*  
*subsp. slavjankae* *St. Kozhukharov* in *Fl. Nar. Republ. Bulgariya*, 9: 505, 138 (1989)—Bulgaria.  
*jordanovii* *St. Kozhukharov* in *Fl. Nar. Republ. Bulgariya*, 9: 506, 142 (1989)—Bulgaria.  
*lutea* *Moris*, *Enum. Pl. Nov. Reg. Hort. Bot. Taur.*, 1845; *Ann. Sci. Nat. III*, 5: 364 (1846); cf. *D.J. Mabberley* in *Taxon*, 33(3): 441 (1984)—Locality not stated.  
*primuliflora*  
*var. thracica* *St. Kozhukharov* in *Fl. Nar. Republ. Bulgariya*, 9: 505, 140 (1989)—Bulgaria.  
*stojanovii* *St. Kozhukharov* in *Fl. Nar. Republ. Bulgariya*, 9: 505, 142 (1989)—Bulgaria.  
*sibirnyi*  
*subsp. intermedia* *St. Kozhukharov* in *Fl. Nar. Republ. Bulgariya*, 9: 505, 141 (1989)—Bulgaria.

**ALLIUM** (Alliac.).

- ser. Albana* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 53 (1976 publ. 1977).  
*ser. Angulosa* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 55 (1976 publ. 1977).  
*sect. Caespitosoprason* *N.V. Frizen* in *Fl. Sibir. (Arac.-Orchidac.)*: 78 (1987).  
*ser. Caspia* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 57 (1976 publ. 1977).  
*ser. Coerulea* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 53 (1976 publ. 1977).  
*ser. Delicatula* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 53 (1976 publ. 1977).

**ALLIUM** :-

- ser. Inderiensia* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 55 (1976 publ. 1977).  
*ser. Obligua* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 56 (1976 publ. 1977).  
*ser. Rubentia* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 56 (1976 publ. 1977).  
*ser. Sabulosa* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 54 (1976 publ. 1977).  
*ser. Sicula* *T.Ya. Omel'chuk-Myakushko* in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 58 (1976 publ. 1977).  
*subsect. Tenuissima* (*Tzag.*) *N.V. Frizen*, *Lukovye Sibiri*: 119 (1988); *A. ser. Tenuissima*.  
*altynolicum* *N.V. Frizen* in *Bot. Zhurn.*, 72(6): 816 (1987)—U.S.S.R. (Middle Asia).  
*austrosibiricum* *N.V. Frizen* in *Fl. Sibir. (Arac.-Orchidac.)*: 66 (1987)—U.S.S.R. (Siberia), Mongolia.  
*barszczewskii*  
*f. niveum* *L.S. Krasovskaya* in *L.S. Krasovskaya* & *I.G. Levichev*, *Fl. Chatkal'skogo Zapovednika*: 166 (1986)—U.S.S.R. (Middle Asia).  
*f. violaceum* *L.S. Krasovskaya* in *L.S. Krasovskaya* & *I.G. Levichev*, *Fl. Chatkal'skogo Zapovednika*: 167 (1986)—U.S.S.R. (Middle Asia).  
*brandegei*  
*f. viviparum* *W.A. Weber* in *Phytologia*, 67(6): 425 (1989)—U.S.A. (Colorado).  
*brevidentatum* *F.Z. Li* in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 170 (1986)—China.  
*burjaticum* *N.V. Frizen* in *Fl. Sibir. (Arac.-Orchidac.)*: 68 (1987)—U.S.S.R. (Siberia), Mongolia.  
*chalkii* *D. Tzanoudakis* & *F. Kollmann* in *Israel J. Bot.*, 40(1): 61 (1991 publ. 1990)—East Aegean Is.  
*columbianum* (*Owney* & *Mingrone*) *P.M. Peterson*, *C.R. Annable* & *L.H. Rieseberg* in *Syst. Bot.*, 13(2): 211 (1988); *A. douglasii* var. *columbianum*.  
*constrictum* (*Mingrone* & *Owney*) *P.M. Peterson*, *C.R. Annable* & *L.H. Rieseberg* in *Syst. Bot.*, 13(2): 211 (1988); *A. douglasii* var. *constrictum*.  
*cornutum* *Clem.* in *Atti 3 Riun. Sci. Ital.*: 517 (1841); cf. *D.J. Mabberley* in *Taxon*, 31(1): 69 (1982)—Locality not stated.  
*costatovaginaturn* *R. Kam.* & *I.G. Levichev* in *L.S. Krasovskaya* & *I.G. Levichev*, *Fl. Chatkal'skogo Zapovednika*: 167 (1986)—U.S.S.R. (Middle Asia).  
*curtum*  
*var. negevense* *F. Kollmann* in *N. Feinbrun-Dothan*, *Fl. Palaestina*, 4: 397, 93 (1986)—Israel.  
*cyaneum*  
*var. deltoides* *S.O. Yu*, *S. Lee* & *W.T. Lee* in *J. Korean Pl. Taxon.*, 11(1-2): 29 (1981)—Korea.  
*dauricum* *N.V. Frizen* in *Fl. Sibir. (Arac.-Orchidac.)*: 68 (1987)—U.S.S.R. (Siberia), China, Mongolia.  
*deltoide-fistulosum* *S.O. Yu*, *S. Lee* & *W.T. Lee* in *J. Korean Pl. Taxon.*, 11(1-2): 30 (1981), with two types cited—Korea.  
*dshambulicum* *N.V. Pavlov* in *Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 27 (1949)—U.S.S.R. (Middle Asia).  
*ecornutum* *F.O. Khasanov* & *I.I. Mal'tsev* in *Uzb. Biol. Zhurn.*, 1988(4): 43 (1988)—U.S.S.R. (Middle Asia).  
*edentatum* *Y.P. Hsu* in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 258 (1987)—China.  
*eivissanum* *F. Garbari* & *P. Miceli* in *Willdenowia*, 16(2): 383 (1987)—Balearic Is.  
*eldivanense* *N. Ozhatay* in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 147 (1986)—Turkey.  
*esfandiarrii* *F. Matin* in *Iranian J. Bot.*, 4(2): 166 (1989)—Iran.  
*ilgazense* *N. Ozhatay* in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 147 (1986)—Turkey.  
*jepsonii* (*Owney* ex *Traub*) *S.S. Denison* & *D.W. McNeal* in *Madroño*, 36(2): 127 (1989); *A. sanbornii* var. *jepsonii*.  
*lancipetalum* *Y.P. Hsu* in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 259 (1987)—China.  
*lehmannianum* *Mercklin* in *A. Bunge*, *Beitr. Fl. Russl.*: 333 (1852)—U.S.S.R. (Middle Asia).†

**ALLIUM** :-

- lopadusanum *G. Bartolo, S. Brullo & P. Pavone in Willdenowia*, 16(1): 89 (1986)—Sicily.
- malyschevii *N.V. Frizen in Fl. Sibir. (Arac.-Orchidac.)*: 89 (1987)—U.S.S.R. (Siberia), Mongolia.
- maniticum *S. Brullo & D. Tzanoudakis in Willdenowia*, 19(1): 111 (1989)—Greece.
- motor *R. Kam. & I.G. Levichev in L.S. Krasovskaya & I.G. Levichev, Fl. Chatkal'skogo Zapovednika*: 168 (1986)—U.S.S.R. (Middle Asia).
- nemrutdagense *Kit Tan & F. Sorger in Pl. Syst. Evol.*, 154(1-2): 126 (1986)—Turkey.
- nudicaule *J.G.C. Lehmann in Sem. Hort. Bot. Hamb.*: 17 (1826)—Locality not stated.†
- omeiense *Z.Y. Zhu in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 65 (1989)—China.
- pangasicum *I. Turakulov in Dokl. Akad. Nauk Tadzh. SSR*, 29(3): 181 (1986)—U.S.S.R. (Middle Asia).
- paniculatum  
subsp. salinum (*Debeaux*) *F. Botté & M. Kerguelen in Lejeunia*, 120: 41 (1987): *A. paniculatum* var. salinum.
- subsp. stearnii (*Pastor & Valdés*) *O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot.*, 17(1): 95 (1987 publ. 1988): *A. stearnii*.
- paradoxum  
var. normale *W.T. Stearn in Kew Mag.*, 4(4): 196 (1987)—Iran.
- pentadactyli *S. Brullo, P. Pavone & G. Spampinato in Willdenowia*, 19(1): 115 (1989)—Italy.
- platyspathum  
subsp. amblyophyllum (*Kar. & Kir.*) *N.V. Frizen in Fl. Sibir. (Arac.-Orchidac.)*: 81 (1987): *A. amblyophyllum*.
- prokhanovii (*Worosch.*) *V.Yu. Barkalov in Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 385 (1987): *A. splendens* subsp. prokhanovii.
- rudolfii *I. Turakulov in Dokl. Akad. Nauk Tadzh. SSR*, 29(3): 180 (1986)—U.S.S.R. (Middle Asia).
- schoenoprasum  
subsp. gredense (*Rivas Mateos*) *S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 2: 103 (1986): *A. gredense*.
- subsp. latiorifolium (*Pau*) *S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 2: 103 (1986): *A. schoenoprasum* var. latiorifolium.
- scythicum *I.G. Zoz in Ucheni Zap. Kharkiv. Derzhav. Univ.*, 4: 65 (1936)—U.S.S.R. (Ukraine).
- senescens  
subsp. glaucum (*Schrader*) *N.V. Frizen in Fl. Sibir. (Arac.-Orchidac.)*: 73 (1987): *A. glaucum*.
- var. minor *S.O. Yu, S. Lee & W.T. Lee in J. Korean Pl. Taxon.*, 11(1-2): 32 (1981)—Korea.
- shevockii *D.W. McNeal in Madroño*, 34(2): 150 (1987)—U.S.A. (California).
- sphaerocephalon  
f. prostratum *R. Corillion, C. Figureau & M. Godeau in Bull. Soc. Sci. Nat. Ouest France*, n.s., 9(4): 150 (1987), without type—France.
- ×tokaliense *R. Kam. & I.G. Levichev in L.S. Krasovskaya & I.G. Levichev, Fl. Chatkal'skogo Zapovednika*: 170 (1986)—U.S.S.R. (Middle Asia).
- truncatum (*Feinbr.*) *F. Kollmann & D. Zohary in N. Feinbrun-Dothan, Fl. Palaestina*, 4: 90 (1986): *A. ampeloprasum* var. truncatum.
- tuolumense (*Ownbey ex Traub*) *S.S. Denison & D.W. McNeal in Madroño*, 36(2): 128 (1989): *A. sanbornii* var. tuolumense.
- tuvanicum (*Friesen*) *N.V. Frizen in Fl. Sibir. (Arac.-Orchidac.)*: 75 (1987): *A. stellerianum* subsp. tuvanicum.
- udanicum *T.P. Antsupova in Novosti Sist. Vyssh. Rast.*, 26: 38 (1989)—U.S.S.R. (Siberia).
- victoralis  
f. variegatum (*Nakai ex Mori*) *S.O. Yu, W.T. Lee & S. Lee in J. Korean Pl. Taxon.*, 11(1-2): 35 (1981): *A. victoralis* var. variegatum.
- vodopjanovae  
subsp. czemalense *N.V. Frizen in Fl. Sibir. (Arac.-Orchidac.)*: 77 (1987)—U.S.S.R. (Siberia).
- vuralii *Kit Tan in Pl. Syst. Evol.*, 155(1-4): 102 (1987)—Turkey.

**ALLIUM** :-

- vvedenskyanum *N.V. Pavlov in Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 27 (1949)—U.S.S.R. (Middle Asia).
- wendelboi *F. Matin in Iranian J. Bot.*, 4(2): 168 (1989)—Iran.
- yuchuanii *Y.Z. Zhao & J.Y. Chao in Acta Sci. Nat. Univ. Intramongolicae*, 20(2): 241 (1989)—China.

**ALLOCASUARINA** (Casuarinac.).

- sect. Acanthopitys (*Miq.*) *L.A.S. Johnson in Fl. Australia*, 3: 191, 173 (1989): Casuarina sect. Acanthopitys.
- sect. Amorphopitys *L.A.S. Johnson in Fl. Australia*, 3: 191, 143 (1989).
- sect. Ceropitys *L.A.S. Johnson in Fl. Australia*, 3: 191, 135 (1989).
- sect. Cylindropitys *L.A.S. Johnson in Fl. Australia*, 3: 191, 147 (1989).
- sect. Dolichopitys *L.A.S. Johnson in Fl. Australia*, 3: 192, 127 (1989).
- sect. Echinopitys *L.A.S. Johnson in Fl. Australia*, 3: 192, 132 (1989).
- sect. Inopitys *L.A.S. Johnson in Fl. Australia*, 3: 192, 147 (1989).
- sect. Nannopitys *L.A.S. Johnson in Fl. Australia*, 3: 192, 170 (1989).
- sect. Oopitys *L.A.S. Johnson in Fl. Australia*, 3: 192, 144 (1989).
- sect. Oxypitys *L.A.S. Johnson in Fl. Australia*, 3: 193, 127 (1989).
- sect. Platypitys *L.A.S. Johnson in Fl. Australia*, 3: 193, 132 (1989).
- sect. Trachypitys (*Benth.*) *L.A.S. Johnson in Fl. Australia*, 3: 193, 170 (1989): Casuarina sect. Trachypitys.
- sect. Trichopitys *L.A.S. Johnson in Fl. Australia*, 3: 193, 146 (1989).
- brachystachya *L.A.S. Johnson in Fl. Australia*, 3: 193, 168 (1989)—Australia (New South Wales).
- crassa *L.A.S. Johnson in Fl. Australia*, 3: 194, 159 (1989)—Tasmania.
- defungens *L.A.S. Johnson in Fl. Australia*, 3: 194, 157 (1989)—Australia (New South Wales).
- diminuta *L.A.S. Johnson in Fl. Australia*, 3: 194, 155 (1989)—Australia (New South Wales).
- subsp. annectens *L.A.S. Johnson in Fl. Australia*, 3: 194, 157 (1989)—Australia (New South Wales).
- subsp. mimica *L.A.S. Johnson in Fl. Australia*, 3: 195, 155 (1989)—Australia (New South Wales).
- emuina *L.A.S. Johnson in Fl. Australia*, 3: 195, 150 (1989)—Australia (Queensland).
- erichlamys (*L. Johnson*) *L.A.S. Johnson in Fl. Australia*, 3: 195, 137 (1989): Casuarina campestris subsp. erichlamys.
- subsp. grossa (*L. Johnson*) *L.A.S. Johnson in Fl. Australia*, 3: 195, 139 (1989): Casuarina campestris subsp. grossa.
- filidens *L.A.S. Johnson in Fl. Australia*, 3: 195, 150 (1989)—Australia (Queensland).
- glareicola *L.A.S. Johnson in Fl. Australia*, 3: 195, 157 (1989)—Australia (New South Wales).
- globosa *L.A.S. Johnson in Fl. Australia*, 3: 196, 136 (1989)—Australia (W. Australia).
- grampiana *L.A.S. Johnson in Fl. Australia*, 3: 196, 158 (1989)—Australia (Victoria).
- gymnanthera *L.A.S. Johnson in Fl. Australia*, 3: 196, 166 (1989)—Australia (New South Wales).
- lehmanniana  
subsp. ecarinata *L.A.S. Johnson in Fl. Australia*, 3: 196, 161 (1989)—Australia (W. Australia).
- mackliniana *L.A.S. Johnson in Fl. Australia*, 3: 196, 162 (1989)—Australia (S. Australia, Victoria).
- subsp. hirtilinea *L.A.S. Johnson in Fl. Australia*, 3: 197, 162 (1989)—Australia (Victoria).
- subsp. xerophila *L.A.S. Johnson in Fl. Australia*, 3: 197, 162 (1989)—Australia (S. Australia, Victoria).
- media *L.A.S. Johnson in Fl. Australia*, 3: 197, 148 (1989)—Australia (Victoria).
- misera *L.A.S. Johnson in Fl. Australia*, 3: 197, 163 (1989)—Australia (Victoria).
- muelleriana  
subsp. alticola *L.A.S. Johnson in Fl. Australia*, 3: 197, 169 (1989)—Australia (S. Australia).
- subsp. notocolica *L.A.S. Johnson in Fl. Australia*, 3: 198, 169 (1989)—Australia (S. Australia).

**ALLOCASUARINA** :-

- ophiolitica *L.A.S. Johnson in Fl. Australia*, 3: 198, 152 (1989)—Australia (New South Wales).
- portuensis *L.A.S. Johnson in Fl. Australia*, 3: 198, 152 (1989)—Australia (New South Wales).
- rigida  
subsp. exsul *L.A.S. Johnson in Fl. Australia*, 3: 198, 151 (1989)—Australia (Queensland).
- rupicola *L.A.S. Johnson in Fl. Australia*, 3: 199, 152 (1989)—Australia (New South Wales, Queensland).
- simulans *L.A.S. Johnson in Fl. Australia*, 3: 199, 154 (1989)—Australia (New South Wales).
- spinosissima (*C. Gardner*) *L.A.S. Johnson in Fl. Australia*, 3: 199, 133 (1989): Casuarina spinosissima.
- thalassoscopia *L.A.S. Johnson in Fl. Australia*, 3: 199, 150 (1989)—Australia (Queensland).
- tortiramula *E.M. Bennett in Fl. Australia*, 3: 190, 137 (1989)—Australia (W. Australia).
- zephyrea *L.A.S. Johnson in Fl. Australia*, 3: 199, 158 (1989)—Tasmania.

**ALLOISPERMUM** (Compos.).

- gonzaleziae (*B. Turner*) *B.L. Turner in Phytologia*, 68(2): 135 (1990), as 'gonzalezae': Sabazia gonzaleziae.
- insuetum *C.F. Fernandez, L.E. Urbatsch & G. Sullivan in Madroño*, 34(2): 162 (1987)—Colombia.
- longiradiatum (*Urbatsch & B. Turner*) *B.L. Turner in Phytologia*, 68(2): 135 (1990): Sabazia longiradiata.
- michoacanum (*B.L. Robins.*) *B.L. Turner in Phytologia*, 68(2): 135 (1990): Sabazia michoacana.
- var. liebmanni (*Schultz-Bip. ex Klatt*) *B.L. Turner in Phytologia*, 68(2): 135 (1990): Sabazia liebmanni.
- palmeri (*S. Wats. ex A. Gray*) *C. Fernandez & L. Urbatsch in Phytologia*, 68(2): 136 (1990): Calea palmeri.
- var. lancifolium (*Urbatsch & B. Turner*) *C. Fernandez & L. Urbatsch in Phytologia*, 68(2): 136 (1990): Sabazia palmeri var. lancifolia.
- tridacoides (*Urbatsch & B. Turner*) *C. Fernandez & L. Urbatsch in Phytologia*, 68(2): 136 (1990): Sabazia tridacoides.

**ALLOMARKGRAFIA** (Apocynac.).

- laxiflora *A.H. Gentry in Ann. Missouri Bot. Gard.*, 76(3): 923 (1989)—Colombia.

**ALLOMORPHIA** (Melastomatac.).

- bracteata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 38 (1990)—Vietnam.
- inaequata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 38 (1990)—Vietnam.
- parvifolia *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 38 (1990)—Vietnam.
- sulcata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 38 (1990)—Vietnam.

**ALLOPHYLUS** (Sapindac.).

- dodsonii *A.H. Gentry in Ann. Missouri Bot. Gard.*, 75(4): 1438 (1988 publ. 1989)—Ecuador.
- parimensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 333 (1988)—Venezuela.

**ALLOPLECTUS** (Gesneriac.).

- baguensis *L.E. Skog in Op. Bot.*, 92: 225 (1987)—Peru.
- bicolor *G. Don f. in Loud., Encycl. Pl., new ed.*: 1402 (1855); cf. *D.J. Mabberley in Taxon*, 30(1): 14 (1981)—Locality not stated.
- spectabilis *Wiehler ex L.E. Skog & J. Steyermark in Op. Bot.*, 92: 228 (1987)—Venezuela.

**ALLOSIDASTRUM** (Hochreutiner) A. Krapovickas,

- P.A. Fryxell & D.M. Bates in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 70 (1988); et in *Bol. Soc. Bot. Méx.*, 48: 24 (1988 publ. 1989): Pseudabutilon subgen. Allosidastrum (Malvac.).
- dolichophyllum *A. Krapovickas, P.A. Fryxell & D.M. Bates in Bol. Soc. Bot. Méx.*, 48: 25 (1988 publ. 1989)—Venezuela.
- hilarianum (*K. Presl*) *A. Krapovickas, P.A. Fryxell & D.M. Bates in P.A. Fryxell, Malvac. of Mexico* (Syst. Bot. Monog., 25): 71 (1988); et in *Bol. Soc. Bot. Méx.*, 48: 28 (1988 publ. 1989): Sida hilariana.



**ALLOSIDASTRUM** :-

interruptum (*Balbis ex de Candolle*) A. Krapovickas, P.A. Fryxell & D.M. Bates in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 71 (1988); et in *Bol. Soc. Bot. Méx.*, 48: 30 (1988 publ. 1989): Sida interrupta.  
 pyramidatum (*Cavanilles*) A. Krapovickas, P.A. Fryxell & D.M. Bates in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 74 (1988); et in *Bol. Soc. Bot. Méx.*, 48: 31 (1988 publ. 1989): Sida pyramidata.

**ALMEIDEA** (Rutac.).

limae I.M. Silva in *Bradea*, 4(46): 362 (1987)—Brazil.

**ALNUS** (Betulac.).

alnobetula  
 subsp. suaveolens (*Req.*) J. Lambinon & M. Kerguelen in *Candollea*, 43(1): 405 (1988): A. suaveolens.  
 japonica  
 var. villosa L. Zhao & D. Chen in *Fl. Liaoningica*, chiefed. S.X. Li, 1: 1361, 247 (1988)—China.

**ALOE** (Aloec.).

subject. Bowieae G.F. Smith in *S. Afr. J. Bot.*, 56(3): 306 (1990), as comb. nov.  
 alfredii W. Rauh in *Cact. Succ. J. (U.S.A.)*, 62(5): 232 (1990)—Madagascar.  
 chortolirioides  
 var. woolliana (*Pole Evans*) H.F. Glen & D.S. Hardy in *S. Afr. J. Bot.*, 53(6): 489 (1987): A. woolliana.  
 ciliaris  
 var. redacta S. Carter in *Kew Bull.*, 45(4): 643 (1990)—South Africa (Cape Province).  
 cooperi  
 subsp. pulchra H.F. Glen & D.S. Hardy in *Flow. Pl. Afr.*, 49(3-4): t. 1944 (1987)—South Africa (Natal), Swaziland.  
 delphinensis W. Rauh in *Cact. Succ. J. (U.S.A.)*, 62(5): 230 (1990)—Madagascar.  
 fouriei D.S. Hardy & H.F. Glen in *Flow. Pl. Afr.*, 49(3-4): t. 1941 (1987)—South Africa (Transvaal).  
 greatheadii  
 var. davyana (*Schonl.*) H.F. Glen & D.S. Hardy in *S. Afr. J. Bot.*, 53(6): 490 (1987): A. davyana.  
 hardyi H.F. Glen in *Flow. Pl. Afr.*, 49(3-4): t. 1942 (1987)—South Africa (Transvaal).  
 inconspicua D.C.H. Plowes in *Aloe*, 23(2): 32 (1986)—South Africa (Natal).  
 kulalensis L.E. Newton & H.J. Beentje in *Cact. Succ. J. (U.S.A.)*, 62(5): 251 (1990)—Kenya.  
 marlothii  
 subsp. orientalis H.F. Glen & D.S. Hardy in *Flow. Pl. Afr.*, 49(3-4): t. 1943 (1987)—South Africa (Natal), Mozambique.  
 molederana J.J. Lavranos & H.F. Glen in *Flow. Pl. Afr.*, 50(2): t. 1982 (1989)—Somali Republic.  
 powysiorum L.E. Newton & H.J. Beentje in *Cact. Succ. J. (U.S.A.)*, 62(5): 252 (1990), as 'powysorum'—Kenya.  
 scabrifolia L.E. Newton & J.J. Lavranos in *Cact. Succ. J. (U.S.A.)*, 62(5): 219 (1990)—Kenya.  
 striata  
 subsp. karasbergensis (*Pillans*) H.F. Glen & D.S. Hardy in *S. Afr. J. Bot.*, 53(6): 491 (1987): A. karasbergensis.  
 subsp. komaggasensis (*Kritzinger & Van Jaarsveld*) H.F. Glen & D.S. Hardy in *S. Afr. J. Bot.*, 53(6): 491 (1987): A. komaggasensis.  
 tugenensis L.E. Newton & J.J. Lavranos in *Cact. Succ. J. (U.S.A.)*, 62(5): 215 (1990)—Kenya.

**ALOITIS** (Gentianac.).

falconeri (*Clarke*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 155 (1988): Gentiana falconeri.  
 holosteoides (*Pritchard*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 159 (1988): Gentianella holosteoides.  
 maddenii (*Clarke*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 155 (1988): Gentiana moorcroftiana var. maddenii.  
 moorcroftiana (*Wall. ex G. Don*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 157 (1988): Gentiana moorcroftiana.

**ALOITIS** :-

stoliczkae (*Clarke*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 159 (1988), as 'stoliczkae': Gentiana stoliczkae.  
 umbellata (*M. Bieb.*) S. Omer, M. Qaiser & S.I. Ali in *Pakistan J. Bot.*, 20(2): 157 (1988): Gentiana umbellata.

**ALOPECURUS** (Gramin.).

adanensis M. Doğan in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 111 (1988)—Turkey.  
 aequalis  
 subsp. amurensis (*Komarov*) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 485 (1987): A. fulvus var. amurensis.  
 anatolicus M. Doğan in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 114 (1988)—Turkey.  
 aquaticus (*Dumort.*) F.A. Tinant, *Fl. Luxembourggeoise*: 75 (1836): A. pratensis\* (subsp.) aquaticus.  
 aristulosus N.A. Desvaux, *Obs. Pl. Environs d'Angers*: 46 (1818)—France.  
 arundinaceus  
 subsp. castellanus (*Boiss. & Reuter*) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 104 (1986): A. castellanus.  
 baptarrhenius S.M. Phillips in *Kew Bull.*, 41(4): 1027 (1986)—Ethiopia.  
 turczaninovi O.D. Nikiforova in *Bot. Zhurn.*, 73(11): 1601 (1988)—U.S.S.R. (Siberia).  
 utriculatus  
 subsp. gaziantepicus M. Doğan in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 114 (1988)—Turkey.  
 subsp. malatyaensis M. Doğan in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 114 (1988)—Turkey, Iraq.

×ALPHONSOARA hort. in *Orchid Rev.*, 96(1136): centre page pull-out p. 8 (1988). ORCHIDACEAE. (Arachnis × Ascentrum × Vanda × Vandopsis).

**ALPINIA** (Zingiberac.).

subject. Allughas (*K. Schum.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 25 (1990): A. sect. Allughas.  
 subject. Amomiceps (*K. Schum.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 30 (1990): A. sect. Amomiceps.  
 sect. Arctiflorae R.M. Smith in *Edinburgh J. Bot.*, 47(1): 23 (1990).  
 subject. Caeruleae R.M. Smith in *Edinburgh J. Bot.*, 47(1): 28 (1990).  
 subject. Catimbium (*Horan.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 19 (1990): A. sect. Catimbium.  
 subject. Cenolophon (*Bl.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 17 (1990): gen. Cenolophon.  
 sect. Fax R.M. Smith in *Edinburgh J. Bot.*, 47(1): 21 (1990).  
 subject. Odontochium (*K. Schum.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 26 (1990): gen. Odontochium.  
 subject. Paniculatae R.M. Smith in *Edinburgh J. Bot.*, 47(1): 17 (1990).  
 subject. Presleia (*Val.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 16 (1990): A. sect. Presleia.  
 subject. Probolocallyx (*K. Schum.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 21 (1990): A. subgen. Probolocallyx.  
 subject. Pycnanthus (*K. Schum.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 29 (1990): A. sect. Pycnanthus.  
 subject. Strobidia (*Miq.*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 26 (1990): gen. Strobidia.  
 acuminata R.M. Smith in *Edinburgh J. Bot.*, 47(1): 63 (1990), nom. nov.: Rhynchanthus papuanus Gilli.  
 albipurpurea (*Van Royen*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 64 (1990): Kolowratia albipurpurea.  
 beamanii R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 341 (1988 publ. 1989)—Borneo (Sabah).  
 bodenii R.M. Smith in *Edinburgh J. Bot.*, 47(1): 64 (1990), nom. nov.: Eriolopha sericea Ridley.  
 corneri (*Holtum*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 65 (1990): Cenolophon corneri.  
 elmeri R.M. Smith in *Edinburgh J. Bot.*, 47(1): 64 (1990), nom. nov.: A. longipetiolata Elmer.

**ALPINIA** :-

emaculata S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 285 (1989)—China.  
 gigantifolia (*Elmer*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 65 (1990): Zingiber gigantifolia.  
 guangdongensis S.J. Chen & Z.Y. Chen in *Guihaia*, 8(4): 317 (1988)—China.  
 juliformis (*Ridley*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 65 (1990): Eriolopha juliformis.  
 klossii (*Ridley*) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 65 (1990): Eriolopha klossii.  
 ludwigiana R.M. Smith in *Edinburgh J. Bot.*, 47(1): 64 (1990), nom. nov.: A. blumei K. Schum.  
 nanchuanensis Z.Y. Zhu in *Guihaia*, 7(4): 295 (1987)—China.  
 ×okinawaensis S. Tawada in *J. Phytogeogr. Taxon.*, 35(2): 83 (1987)—Japan. (A. formosana × uraiensis).  
 rubromaculata S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 284 (1989), as 'rubro-maculata'—China.  
 velveta R.M. Smith in *Edinburgh J. Bot.*, 47(1): 63 (1990), nom. nov.: Kolowratia velutina van Royen.

**ALSINE** (Caryophyllac.).

cupaniana  
 subsp. postii (*Holmboe*) J. Holub in *Preslia*, 58(4): 301 (1986): Stellaria media subsp. postii.  
 molluginea Hort. Vindob. ex Hornem., Hort. Hafn.: 295 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.  
 nodosa (*Chaub. & Bory*) Vis. in *Atti 2 Riun. Sci. Ital.*: 180 (1841); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982): Basionym not stated.

**ALSODEIA** (Violac.).

heteroclita (*Roxb.*) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 647 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 154 (1985): Vareca heteroclita.

**ALSOPHILA** (Cyatheac.).

insulana (*Holtz*) R. Tryon in *Contrib. Gray Herb.*, 200: 34 (1970): Cyathea insulana Holtz.

**ALSTONIA** (Apocynac.).

vitiensis  
 f. glabra A.C. Smith in *Fl. Vitiensis Nova*, 4: 76 (1988)—Fiji.

**ALSTROEMERIA** (Alstroemeriac.).

andina  
 subsp. venustula (*Philippi*) E. Bayer, *Gattung Alstroemeria in Chile*: 81 (1986 publ. 1987): A. venustula.  
 angustifolia  
 subsp. velutina E. Bayer, *Gattung Alstroemeria in Chile*: 202 (1986 publ. 1987)—Chile.  
 bilabiata P. Ravenna in *Phytologia*, 64(4): 282 (1988)—Chile.  
 cantillanica P. Ravenna in *Phytologia*, 64(4): 285 (1988)—Chile.  
 diluta E. Bayer, *Gattung Alstroemeria in Chile*: 212 (1986 publ. 1987)—Chile.  
 subsp. chrysantha E. Bayer, *Gattung Alstroemeria in Chile*: 219 (1986 publ. 1987)—Chile.  
 epulauquensis P. Ravenna in *Phytologia*, 64(4): 283 (1988)—Argentina.  
 garaventae E. Bayer, *Gattung Alstroemeria in Chile*: 60 (1986 publ. 1987)—Chile.  
 hookeri Sweet, *Hort. Brit.*: 408 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.  
 subsp. cummingiana (*Herbert*) E. Bayer, *Gattung Alstroemeria in Chile*: 189 (1986 publ. 1987): A. cummingiana.  
 subsp. maculata E. Bayer, *Gattung Alstroemeria in Chile*: 184 (1986 publ. 1987)—Chile.  
 subsp. recumbens (*Herbert*) E. Bayer, *Gattung Alstroemeria in Chile*: 179 (1986 publ. 1987): A. recumbens.  
 huemulina P. Ravenna in *Phytologia*, 64(4): 285 (1988)—Chile.  
 jocunda P. Ravenna in *Phytologia*, 64(4): 284 (1988)—Chile.  
 lacrima-solis P. Ravenna in *Phytologia*, 64(4): 283 (1988)—Argentina.  
 ligtu  
 subsp. incarnata E. Bayer, *Gattung Alstroemeria in Chile*: 156 (1986 publ. 1987)—Chile.

**ALSTROEMERIA** :-

- subsp. simsii* (Sprengel) E. Bayer, *Gattung Alstroemeria in Chile*: 144 (1986 publ. 1987): A. simsii.
- longaviensis* P. Ravenna in *Phytologia*, 64(4): 285 (1988)—Chile.
- magna* P. Ravenna in *Phytologia*, 64(4): 284 (1988)—Chile.
- magnifica*
- subsp. gayana* (Philippi) E. Bayer, *Gattung Alstroemeria in Chile*: 252 (1986 publ. 1987): A. gayana.
- subsp. maxima* (Philippi) E. Bayer, *Gattung Alstroemeria in Chile*: 244 (1986 publ. 1987): A. pulchra var. maxima.
- monantha* P. Ravenna in *Phytologia*, 64(4): 286 (1988)—Chile.
- nidularis* P. Ravenna in *Phytologia*, 64(4): 282 (1988)—Chile.
- oxyphylla* P. Ravenna in *Phytologia*, 64(4): 286 (1988), nom. nov.: A. crocea Philippi.
- poetica* P. Ravenna in *Phytologia*, 64(4): 285 (1988)—Chile.
- polpaicana* P. Ravenna in *Phytologia*, 64(4): 283 (1988)—Chile.
- presliana*
- subsp. australis* E. Bayer, *Gattung Alstroemeria in Chile*: 122 (1986 publ. 1987)—Chile.
- pseudospathulata* E. Bayer, *Gattung Alstroemeria in Chile*: 47 (1986 publ. 1987), nom. nov.: A. crocea Philippi.
- psittacina* J.G.C. Lehmann in *Sem. Hort. Bot. Hamb.*: 17 (1826)—Locality not stated.†
- pulchra*
- subsp. lavandulacea* E. Bayer, *Gattung Alstroemeria in Chile*: 230 (1986 publ. 1987)—Chile.
- sabulosa* P. Ravenna in *Phytologia*, 64(4): 281 (1988)—Chile.
- spectabilis* P. Ravenna in *Phytologia*, 64(4): 284 (1988)—Chile.
- timida* P. Ravenna in *Phytologia*, 64(4): 281 (1988)—Chile.
- venusta* P. Ravenna in *Phytologia*, 64(4): 282 (1988)—Chile.
- werdermannii* E. Bayer, *Gattung Alstroemeria in Chile*: 87 (1986 publ. 1987)—Chile.
- yaelae* P. Ravenna in *Phytologia*, 64(4): 282 (1988)—Chile.
- zoellneri* E. Bayer, *Gattung Alstroemeria in Chile*: 297 (1986 publ. 1987)—Chile.

**ALTERNANTHERA** (Amaranthac.).

- albotomentosa*
- var. ecuadoriensis* U. Eliasson in *Fl. Ecuador*, 28(44): 69 (1987)—Ecuador.
- corymbiformis* U. Eliasson in *Fl. Ecuador*, 28(44): 81 (1987)—Ecuador.
- dendrotricha* C.C. Townsend in *Kew Bull.*, 43(1): 106 (1988)—Brazil.
- ficoidea* Sm. in *Rees, Cyclop.*, 39(1): Alternanthera no. 8 (Dec. 1818); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.
- f. aberrans* (Pedersen) T.M. Pedersen in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 200 (1987): A. paronichyoides f. aberrans.
- subsp. chacoensis* (Morong) T.M. Pedersen in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 200 (1987): A. chacoensis.
- subsp. pilosa* (Moq.) T.M. Pedersen in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 200 (1987): A. pilosa.
- f. pilosa* (Moq.) T.M. Pedersen in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 200 (1987): A. pilosa.
- grandis* U. Eliasson in *Fl. Ecuador*, 28(44): 99 (1987)—Ecuador.
- littoralis*
- var. guineensis* T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 71 (1990)—Ivory Coast, Sierra Leone, Liberia, Benin.
- var. maritima* (Mart.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 71 (1990): Bucholzia maritima.
- var. sparmannii* (Moq.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 72 (1990): Telanthera maritima var.  $\delta$  sparmannii.

**ALTERNANTHERA** :-

- polygonoides* R. Br. ex Sweet, *Hort. Suburb. Lond.*: 48 (June-July 1818); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.
- porrigens*
- var. mearsii* U. Eliasson in *Fl. Ecuador*, 28(44): 89 (1987)—Ecuador.
- var. piurensis* (Standley) U. Eliasson in *Fl. Ecuador*, 28(44): 87 (1987): A. piurensis.

**ALTHAEA** (Malvac.).

- australis* W.R. Barker in *Fl. S. Australia*, 4: 2146 (1986)—Australia (S. Australia).
- ludwigii*
- var. microcalyculata* A. Dobignard in *Saussurea*, 19: 103 (1988 publ. 1989)—Morocco.

**ALTHENIA** (Zannichelliace.).

- filiformis*
- var. barrandonii* (Duval-Jouve) P. García Murillo & S. Talavera in *Lagascalia*, 14(1): 107 (1986): A. barrandonii.
- orientalis* (Tzvelev) P. García Murillo & S. Talavera in *Lagascalia*, 14(1): 108 (1986): A. filiformis subsp. orientalis.
- subsp. betpakdalensis* (Tzvelev) P. García Murillo & S. Talavera in *Lagascalia*, 14(1): 112 (1986): A. filiformis subsp. betpakdalensis.

**ALVIMIA** Calderón ex T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 75(6): 833 (1988). GRAMINEAE.

- auriculata* T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 75(6): 834 (1988)—Brazil.
- gracilis* T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 75(6): 835 (1988)—Brazil.
- lanceifolia* T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 75(6): 837 (1988)—Brazil.

**ALVORDIA** (Compos.).

- congesta* (Rose ex Hoffmann) B.L. Turner in *Phytologia*, 64(3): 210 (1988): Agiabampoa congesta.

**ALYOGYNE** (Malvac.).

- cravenii* P.A. Fryxell in *Syst. Bot.*, 12(2): 277 (1987)—Australia (N. Terr.).

**ALYSICARPUS** (Legumin.).

- heyneanus*
- var. meeboldii* (Schindl.) A. Pramanik & K. Thoathiri in *J. Econ. Taxon. Bot.*, 12(2): 364 (1988 publ. 1989): A. meeboldii.
- luteovexillatus* V.N. Naik & D.S. Pokle in *J. Econ. Taxon. Bot.*, 7(3): 670 (1985 publ. 1986)—India.
- pilifer* (PRAIN) J.L. Ellis, *Fl. Nallamalais*, 1: 145 (1987): A. rugosus var. pilifer.
- vaginalis*
- var. taiwanianus* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 378 (1987)—Taiwan.
- var. venosa* (Blatt. & Hall.) A. Pramanik & K. Thoathiri in *J. Econ. Taxon. Bot.*, 12(2): 363 (1988 publ. 1989): A. monilifer var. venosa.

**ALYSSOIDES** (Crucif.).

- utriculata*
- subsp. bulgarica* (Sagorski) P. Hartvig in *A. Strid* (ed.), *Mount. Fl. Greece*, 1: 277 (1986): Vesicaria utriculata subsp. bulgarica.

**ALYSSOPSIS** (Crucif.).

- trinervis* V.P. Bochantsev & É.M. Seifulin in *Novosti Sist. Vyssh. Rast.*, 25: 89 (1988)—U.S.S.R. (Middle Asia), Iran.

**ALYSSUM** (Crucif.).

- arenarium* Kitaib. ex Spreng., *Nachtr. Bot. Gart. Univ. Halle*: 10 (1801); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- calycocarpum*
- var. edentatum* H.L. Yang in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 445 (1987)—Xinjiang.
- curetum* M. Gandoger in *Bull. Soc. Bot. France*, 64: 121 (1917)—Crete.

**ALYSSUM** :-

- diffusum*
- subsp. corymbosum* (Pau) C. Morales Torres, A.B. Robles Cruz & A.T. Romero García in *Lazaroa*, 9: 148 (1986 publ. 1988): A. diffusum var. corymbosum.
- gustavssonii* P. Hartvig in *A. Strid* (ed.), *Mount. Fl. Greece*, 1: 293 (1986)—Greece.
- kotovii* A.P. Il'yins'ka in *Ukr. Bot. Zhurn.*, 45(3): 82 (1988)—U.S.S.R. (Crimea).
- malacitanum* (Rivas Goday) T.R. Dudley in *Feddes Repert.*, 97(3-4): 140 (1986): A. serpyllifolium subsp. malacitanum.
- medium* A.P. Il'yins'ka in *Ukr. Bot. Zhurn.*, 45(3): 84 (1988)—U.S.S.R. (Ukraine).
- micropetalum* Fisch. ex Hornem., *Hort. Hafn., Suppl.*: 70 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.
- nebrodense*
- subsp. tenuicaule* P. Hartvig in *A. Strid* (ed.), *Mount. Fl. Greece*, 1: 300 (1986)—Greece.
- pintodasilvae* T.R. Dudley in *Feddes Repert.*, 97(3-4): 136 (1986)—Portugal.
- samium* T.R. Dudley & D. Christodoulakis in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 433 (1988 publ. 1989)—East Aegean Is.

**ALYXIA** (Apocynac.).

- ser. Bracteolosa* A.C. Smith in *Fl. Vitiensis Nova*, 4: 56 (1988).
- samoensis* (Christophersen) A.C. Smith in *Fl. Vitiensis Nova*, 4: 68 (1988): A. erythrosperma var. samoensis.
- stellata*
- var. amoena* (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 4: 58 (1988): A. amoena.
- taiwanensis* S.Y. Lu & Y.P. Yang in *Bot. Bull. Acad. Sin.*, n.s., 19(2): 195 (1978)—Taiwan.

**AMARANTHUS** (Amaranthac.).

- blitum*
- subsp. emarginatus* (Moq. ex Uline & Bray) Carretero, F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 599 (1987): A. emarginatus.
- caudatus*
- subsp. saueri* V. Jekhlik in *Preslia*, 62(2): 164 (1990)—Czechoslovakia.
- congestus* C.C. Townsend in *Kew Bull.*, 43(1): 103 (1988)—Venezuela.
- emarginatus*
- subsp. pseudogracilis* (Thell.) G. Hügin in *Willdenowia*, 16(2): 463 (1987): A. lividus f. pseudogracilis.
- tricolor*
- var. tristis* (Willd.) B.N. Mehrotra, B.S. Aswal & B.S. Bisht, *Companion to Chopra's Gloss. Indian Medicin. Pl.*: 9 (1987), without basionym ref.: A. tristis.

**AMARYLLIS** (Amaryllidac.).

- pyrrhocroa* W. Bull. *Retail List*, 61: 10 (1871)—Brazil.
- spathacea* (Sims) Sweet, *Hort. Brit.*: 402 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Basionym not stated.
- striatifolia* Sweet, *Hort. Brit.*: 402 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.
- subbarbata* (Hook.) Sweet, *Hort. Brit.*: 403 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Basionym not stated.

**AMBELANIA** (Apocynac.).

- occidentalis* J.L. Zarucchi in *Agric. Univ. Wageningen Pap.*, 87(1): 36 (1987 publ. 1988)—Peru, Brazil, Colombia.

**AMBERBOA** (Compos.).

- libyca* (Viv.) S.A. Alavi in *Fl. Libya*, 107: 267 (1983): Lacellia libyca.

**AMENTOTAXUS** (Taxac.).

- poilanei* (De Ferré & Rouane) D.K. Ferguson in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 316 (1989 publ. 1990): A. yunnanensis var. poilanei.



# AMENTOTAXUS :-

- yunnanensis  
var. *assamica* (Ferguson) J. Silba in *Phytologia*, 68(1): 25 (1990): A. *assamica*.  
var. *formosana* (Li) J. Silba in *Phytologia*, 68(1): 25 (1990): A. *formosana*.

**AMHERSTIA** Wall. in Taylor & Phillips, *Phil. Mag.*, n.s., 3: 233 (1826); cf. D.J. Mabberley in *Taxon*, 31(1): 67 (1982). **LEGUMINOSAE**. †  
*nobilis* Wall. in Taylor & Phillips, *Phil. Mag.*, n.s., 3: 223 (1826); cf. D.J. Mabberley in *Taxon*, 31(1): 67 (1982)—Locality not stated.

# AMITOSTIGMA (Orchidac.).

*keiskeoides* (Gagnep.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (47) 181 (1985 publ. 1986): *Habernaria keiskeoides*.

# AMMANDRA (Palmae).

*natalia* H. Balslev & A. Henderson in *Syst. Bot.*, 12(4): 501 (1987)—Ecuador.

# AMMANNIA (Lythrac.).

*auriculata*  
f. *indica* (Blatt. & Hall.) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 172 (1990): A. *senegalensis* f. *indica*.  
*incarnata* Koen. ex Rottb., *Pl. Hort. Univ. Rar. Prog.*: 9 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.  
*prostrata* F. Buchanan-Hamilton ex L.W. Dillwyn, *Rev. Hortus Malab.*: 40 (1839); fide D.J. Mabberley in *Taxon*, 26(5-6): 533 (1977), as '*Ammania*'—India.  
*pubiflora* (Koehne) H.J. Hewson in *Fl. Australia*, 18: 321, 100 (1990): *Nesaea lanceolata* var. *pubiflora*.

# AMMOBIUM (Compos.).

*calyceroides* (Cass.) A.A. Anderberg in *Telopea*, 4(1): 134 (1990): *Nablonium calyceroides*.

# AMOMUM (Zingiberac.).

*borneense* (K. Schum.) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 337 (1988 publ. 1989): *Zingiber borneense*.  
*capsiciforme* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 282 (1989)—China.  
*coriandriodorum* S.Q. Tong & Y.M. Xia in *Acta Bot. Yunnanica*, 10(2): 208 (1988)—China.  
*epiphyticum* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 338 (1988 publ. 1989)—Borneo (Sarawak).  
*fragile* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 277 (1989)—China.  
*ghaticum* K.G. Bhat in *Indian J. Forest.*, 11(4): 322 (1988 publ. 1989)—India.  
*glabrum* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 282 (1989)—China.  
*jingxiense* D. Fang & D.H. Qin in *Acta Phytotax. Sin.*, 27(6): 461 (1989)—China.  
*kinabaluense* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 233 (1987)—Borneo (Sabah).  
*mioga* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 51 (1784)—Japan. †  
*paratsao-ko* S.Q. Tong & Y.M. Xia in *Acta Bot. Yunnanica*, 10(2): 207 (1988)—China.  
*purpureorubrum* S.Q. Tong & Y.M. Xia in *Acta Bot. Yunnanica*, 10(2): 207 (1988)—China.  
*quadrato-laminare* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 279 (1989), as '*quadrato-laminare*'—China.  
*thysanochililum* S.Q. Tong & Y.M. Xia in *Acta Bot. Yunnanica*, 10(2): 205 (1988)—China.  
*verrucosum* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 280 (1989)—China.  
*yingjiangense* S.Q. Tong & Y.M. Xia in *Acta Bot. Yunnanica*, 10(2): 210 (1988)—China.  
*yunnanense* S.Q. Tong in *Acta Bot. Yunnanica*, 12(2): 151 (1990)—China.

# AMOORA (Meliac.).

*tsangii* (Merr.) X.M. Chen in *J. Wuhan Bot. Res.*, 4(2): 180 (1986): *Aglaia tsangii*.

# AMORIA (Legumin.).

*bobrovii* (Chalilov) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium bobrovii*.

# AMORIA :-

*bonannii* (C. Presl) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium bonannii*.  
*bordzilowskyi* (Grossh.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium bordzilowskyi*.  
*egressica* (Micheev & Magul.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium egressicum*.  
*elizabethae* (Grossh.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium elizabethae*.  
*fragifera* (L.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium fragiferum*.  
*glomerata* (L.) R.M. Burton, *Fl. London Area*: 225 (1983): *Trifolium glomeratum*.  
*physodes* (Stev. ex Bieb.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium physodes*.  
*raddeana* (Trautv.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium raddeanum*.  
*resupinata* (L.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium resupinatum*.  
*ruprechtii* (Tamamsch. & Fed.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium ruprechtii*.  
*spumosa* (L.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium spumosum*.  
*suffocata* (L.) R.M. Burton, *Fl. London Area*: 225 (1983): *Trifolium suffocatum*.  
*suffocata* (L.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990), isonym: *Trifolium suffocatum*.  
*talyschensis* (Chalilov) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium talyschense*.  
*tomentosa* (L.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium tomentosum*.  
*tumens* (Stev. ex Bieb.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium tumens*.  
*vesiculosa* (Savi) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): *Trifolium vesiculosum*.

# AMORPHA (Legumin.).

*herbacea*  
var. *crenulata* (Rydberg) D. Isely in *Sida*, 11(4): 433 (1986): A. *crenulata*.

# AMORPHOPHALLUS (Arac.).

*bannanensis* H. Li in *J. Wuhan Bot. Res.*, 6(3): 209 (1988)—China.  
*coactaneus* S.Y. Liu & S.J. Wei in *Guihaia*, 6(3): 183 (1986)—China.  
*coudercii* (Bogner) J. Bogner in *Aroideana*, 8(3): 75 (1985 publ. 1986): *Plesmonium coudercii*.  
*eburneus* J. Bogner in *Willdenowia*, 18(2): 441 (1989)—Borneo (Sarawak).  
*nanus* H. Li & C.L. Long in *Aroideana*, 11(1): 8 (1988 publ. 1989)—China.  
*nicolsonianus* M. Sivadasan in *Pl. Syst. Evol.*, 153(3-4): 165 (1986)—India.  
*pingbianensis* H. Li & C.L. Long in *Aroideana*, 11(1): 4 (1988 publ. 1989)—China.  
*smithsonianus* M. Sivadasan in *Willdenowia*, 18(2): 435 (1989)—India.  
*ximengensis* H. Li in *J. Wuhan Bot. Res.*, 6(3): 212 (1988)—China.  
*yuloensis* H. Li in *J. Wuhan Bot. Res.*, 6(3): 211 (1988)—China.

# AMPELOCALAMUS (Gramin.).

*naibunensis* (Hayata) T.H. Wen in *J. Bamboo Res.*, 6(3): 34 (1987): *Arundinaria naibunensis*.  
*yongshanensis* J.R. Xue & D.Z. Li in *J. Bamboo Res.*, 6(2): 10 (1987)—China.

# AMPELOCERA (Ulmac.).

*albertiae* C.A. Todzia in *Ann. Missouri Bot. Gard.*, 76(4): 1089 (1989)—Colombia.  
*longissima* C.A. Todzia in *Ann. Missouri Bot. Gard.*, 76(4): 1096 (1989)—Ecuador.  
*macphersonii* C.A. Todzia in *Ann. Missouri Bot. Gard.*, 76(4): 1099 (1989)—Panama, Colombia, Venezuela.

# AMPELOCISSUS (Vitac.).

*araneosa* (Dalz.) J.S. Gamble, *Fl. Madras*, 1: 230 (1918): *Cissus araneosa*.  
*madulidii* A. Latiff in *Blumea*, 33(2): 505 (1988)—Philippine Is.  
*wightiana* B.V. Shetty & P. Singh in *Kew Bull.*, 44(3): 469 (1989)—India, Sri Lanka.

# AMPELOPSIS (Vitac.).

*mollifolia* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 21 (1986)—China.

# AMPHIBLEMMA (Melastomatac.).

*monticola* H. Jacques-Felix in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(2): 125 (1987), as '*monticole*'—Cameroun.

# AMPHIBROMUS (Gramin.).

*macrorhinus* S.W.L. Jacobs & L. Lapinuro in *Telopea*, 2(6): 723 (1986)—Australia (Victoria, New South Wales, S. Australia, W. Australia), Tasmania.  
*nervosus* (Hook. f.) H.E. Baillon, *Hist. Pl.*, 12: 203 (1893): *Danthonia nervosa*.  
*pithogastus* S.W.L. Jacobs & L. Lapinuro in *Telopea*, 2(6): 724 (1986)—Australia (New South Wales, Victoria).  
*sinuatus* S.W.L. Jacobs & L. Lapinuro in *Telopea*, 2(6): 727 (1986)—Australia (New South Wales, Victoria).  
*vickeryae* S.W.L. Jacobs & L. Lapinuro in *Telopea*, 2(6): 725 (1986)—Australia (W. Australia).

# AMPHICARPAEA (Legumin.).

*bracteata*  
var. *comosa* (L.) C.F. Reed in *Phytologia*, 63(5): 410 (1987): *Glycine comosa*.  
*edgeworthii*  
f. *alba* M.H. Lee in *Korean J. Pl. Taxon.*, 13(2): 109 (1983)—Korea.

# AMPHIPETALUM N.M. Bacigalupo in Candollea,

43(1): 409 (1988). **PORTULACACEAE**.  
*paraguayense* N.M. Bacigalupo in *Candollea*, 43(1): 411 (1988)—Paraguay.

# AMYGDALUS (Rosac.).

*davidiana*  
var. *potanini* (Batal.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 22 (1986): *Prunus persica* var. *potanini*.  
*ferganensis* (Kost. & Rjab.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 20 (1986): *Prunus persica* subsp. *ferganensis*.  
× *iranshahrii* M. Khatamsaz in *Iranian J. Bot.*, 4(1): 114 (1988)—Iran. (A. *eburnea* × *scoparia*).  
× *kamarianensis* M. Khatamsaz & Assadi in *Iranian J. Bot.*, 4(1): 113 (1988)—Iran. (A. *haussknechtii* × *scoparia*).  
*mira* (Koehne) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 23 (1986): *Prunus mira*.  
× *mozaffarianii* M. Khatamsaz in *Iranian J. Bot.*, 4(1): 114 (1988)—Iran. (A. *brahuica* × *scoparia*).  
*persica*  
var. *aganonucipersica* (Schubler & Martens) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 18 (1986): A. *persica* s. *aganonucipersica*.  
var. *compressa* (Loud.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 19 (1986): *Persica vulgaris* var. *compressa*.  
var. *scleronucipersica* (Schubler & Martens) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 19 (1986): A. *persica* s. *scleronucipersica*.  
var. *scleropersica* (Reich.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 19 (1986): A. *persica* b. *scleropersica*.  
*reticulata* Runemark ex M. Khatamsaz in *Iranian J. Bot.*, 3(1): 78 (1985)—Iran.  
× *rhodia* K. Browicz in *Ann. Mus. Goulandris*, 7: 34 (1986)—Rhodes. (A. *communis* × *graeaca*).  
*nothovar. elongata* K. Browicz in *Ann. Mus. Goulandris*, 7: 36 (1986)—Rhodes.  
*spinosissima* A. Bunge, *Beitr. Fl. Russl.*: 106 (1852)—U.S.S.R. (Middle Asia). †  
× *yasujensis* M. Khatamsaz in *Iranian J. Bot.*, 4(1): 116 (1988), contrary to Art. H.5.2 ICBN (1988)—Iran. (A. *elaegnifolia* subsp. *elaegnifolia* × *scoparia*).

# AMYRIS (Rutac.).

*heptaphylla* Roxb. ex DC., *Prodromus*, 2: 82 (1825); cf. D.J. Mabberley in *Taxon*, 26(5-6): 525 (1977)—India.  
*metopoides* T.A. Zanoni & M.M. Mejia P. in *Moscovia*, 4: 125 (1986)—Hispaniola (Dominican Republic).

**AMYRIS** :-

punctata *Roxb. ex H.T. Colebrooke in Trans. Linn. Soc.*, 15: 366 (1827); cf. *D.J. Mabberley in Taxon*, 26(5-6): 524 (1977)—India.

**ANABASIS** (Chenopodiaceae).

sect. Ebracteolatae *U. Prato in Uzb. Biol. Zhurn.*, 1976(3): 49 (1976).

**ANACAMPSEROS** (Portulacaceae).

bayeriana *S. Hammer in Cact. Succ. J. (U.S.A.)*, 60(5): 215 (1988)—South Africa (Cape Province).

**×ANACAMPTORCHIS** (Orchidaceae).

vanlookenii *C. Bernard & G. Fabre in Orchidophile*, 78: 1345 (1987), as 'van lookenii'—France. (Anacamptis pyramidalis × Orchis papilionacea).

**ANACARDIUM** (Anacardiaceae).

cassuvium *F. Buchanan-Hamilton in Mem. Wern. Soc.*, 5: 365 (1826), nom. superfl. illegit.; fide *D.J. Mabberley in Taxon*, 26(5-6): 529 (1977)—India.  
 cuneifolium *F. Buchanan-Hamilton in Mem. Wern. Soc.*, 5: 366 (1826); fide *D.J. Mabberley in Taxon*, 26(5-6): 529 (1977)—India.  
 fruticosum *J.D. Mitchell & S.A. Mori in Mem. New York Bot. Gard.*, 42: 54 (1987)—Guyana.  
 semecarpus *F. Buchanan-Hamilton in Mem. Wern. Soc.*, 5: 365 (1826); fide *D.J. Mabberley in Taxon*, 26(5-6): 529 (1977)—India.

**ANACHEILUM** (Orchidaceae).

lindenii (*Lindl.*) *E. Hagsater in R. Escobar R. (ed.)*, *Native Colombian Orchids*, 1: 28 (1990): Epidendrum lindenii.  
 sceptrum (*Lindl.*) *E. Hagsater in R. Escobar R. (ed.)*, *Native Colombian Orchids*, 1: 28 (1990): Epidendrum sceptrum.

**ANACYCLUS** (Compos.).

anthemoides (*L.*) *Lag., Elenchus*: 2 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 69 (1982): Basionym not stated.  
 pyrethrum (*L.*) *Lag., Elenchus*: 2 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 69 (1982): Basionym not stated.

**ANAGALLIS** (Primulaceae).

×hadidii *J. Chrtek & J. Osbornová-Kosinová in Folia Geobot. Phytotax.*, 21(4): 413 (1986)—Egypt. (A. arvensis var. arvensis × latifolia).

**ANAPHALIS** (Compos.).

himachalensis *B.S. Aswal & A.K. Goel in Nordic J. Bot.*, 8(4): 337 (1988)—India.  
 keriensis (*Cunn.*) *C.J. Webb in New Zealand J. Bot.*, 25(1): 147 (1987): Gnaphalium kerienense.  
 latifolia *G.K. Kinzikaeva & T.I. Vainberg in Fl. Tadzhikskoi SSR*, 9: 528, 281 (1988)—U.S.S.R. (Middle Asia).  
 roseoalba  
   var. siomensis *G.K. Kinzikaeva & T.I. Vainberg in Fl. Tadzhikskoi SSR*, 9: 527 (1988)—U.S.S.R. (Middle Asia).  
 rupestris *C.J. Webb in New Zealand J. Bot.*, 25(1): 147 (1987), nom. nov.: Gnaphalium hookeri *Allan. sarawachanica*  
   var. polycephala *G.K. Kinzikaeva & T.I. Vainberg in Fl. Tadzhikskoi SSR*, 9: 527 (1988)—U.S.S.R. (Middle Asia).  
 sinica  
   var. yakusimensis (*Masamune*) *T. Yahara in J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 112 (1987): A. yakusimensis.  
 subrigida (*Colenso*) *C.J. Webb in New Zealand J. Bot.*, 25(1): 147 (1987): Gnaphalium subrigidum.  
 subtilis *G.K. Kinzikaeva & T.I. Vainberg in Fl. Tadzhikskoi SSR*, 9: 527, 278 (1988)—U.S.S.R. (Middle Asia).

**ANAPHYLLOPSIS** *A. Hay in Aroideana*, 11(1): 25 (1988 publ. 1989). **ARACEAE**.

americana (*Engler*) *A. Hay in Aroideana*, 11(1): 26 (1988 publ. 1989): Cyrtosperma americanum.  
 cururuana *A. Hay in Aroideana*, 11(1): 29 (1988 publ. 1989)—Brazil.  
 pinnata *A. Hay in Aroideana*, 11(1): 26 (1988 publ. 1989)—Venezuela.

**ANARRHINUM** (Scrophulariaceae).

forskaohlii  
   subsp. abyssinicum (*Faub. & Spach*) *D.A. Sutton, Revis. tribe Antirrhineae*: 260 (1988): A. abyssinicum.  
   subsp. pubescens (*Fresen.*) *D.A. Sutton, Revis. tribe Antirrhineae*: 258 (1988): A. pubescens.  
 fruticosum  
   subsp. brevifolium (*Cosson & Kralik*) *D.A. Sutton, Revis. tribe Antirrhineae*: 257 (1988): A. brevifolium.

**ANAX** *P. Ravenna in Phytologia*, 64(3): 215 (1988). **AMARYLLIDACEAE**.

elwesii (*Bak.*) *P. Ravenna in Phytologia*, 64(3): 216 (1988): Stenomesson viridiflorum var. elwesii.  
 mirabilis (*Rav.*) *P. Ravenna in Phytologia*, 64(3): 216 (1988): Stenomesson mirabile.

**ANAXAGOREA** (Annonaceae).

angustifolia *A. Timmerman in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(3): 298 (1984)—Brazil.  
 brevipedicellata *A. Timmerman in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(3): 299 (1984)—Brazil, French Guiana.  
 floribunda *A. Timmerman in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(3): 300 (1984)—Peru.  
 manausensis *A. Timmerman in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(3): 301 (1984)—Brazil.  
 rheophytica *P.J.M. Maas & L.Y.Th. Westra in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(1): 75 (1986)—Venezuela.  
 rufa *A. Timmerman in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(3): 301 (1984)—Colombia, Venezuela, Brazil.

**ANAXETON** (Compos.).

lundgrenii *B. Nordenstam in S. Afr. J. Bot.*, 54(6): 631 (1988)—South Africa (Cape Province).

**ANCANA** (Annonaceae).

hirsuta *L.W. Jessup in Austrobaileya*, 3(1): 65 (1989)—Australia (Queensland).

**ANCHUSA** (Boraginaceae).

barrelieri  
   subsp. longisepala (*T. Georg. & Kitan.*) *St. Kozhukharov in Fl. Nar. Republ. Bulgariya*, 9: 179 (1989): A. barrelieri var. longisepala.  
 milleri *Lam. ex Spreng., Nachtr. Bot. Gart. Univ. Halle*: 11 (1801); cf. *D.J. Mabberley in Taxon*, 32(1): 84 (1983)—Locality not stated.  
 popovii (*Gusul.*) *D.N. Dobrochaeva in Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 120 (1976 publ. 1977): A. ochroleuca subsp. popovii.  
 rupestris (*Pallas*) *Sweet, Hort. Suburb. Lond.*: 30 (1818); cf. *D.J. Mabberley in Taxon*, 31(1): 69 (1982): Basionym not stated.  
 velenovskii  
   var. stojanovii *St. Kozhukharov in Fl. Nar. Republ. Bulgariya*, 9: 506, 171 (1989)—Bulgaria.

**ANCISTRORHYNCHUS** (Orchidaceae).

crystalensis *P.J. Cribb & F.M. Van der Laan in Kew Bull.*, 44(3): 481 (1989)—Gabon.

**ANCYLOSTEMON** (Gesneriaceae).

aureus  
   var. angustifolius *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 434 (1988)—China.  
 gamosepalus *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 434 (1988)—China.  
 mairei  
   var. emeiensis *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 434 (1988)—China.  
 rhombifolius *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 435 (1988)—China.  
 ronganensis *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 436 (1988)—China.

**ANDRACHNE** (Euphorbiaceae).

ephemera *M.G. Gilbert in Kew Bull.*, 42(2): 351 (1987)—Ethiopia.  
 fragilis *M.G. Gilbert & M. Thulin in Nordic J. Bot.*, 8(2): 159 (1988)—Somali Republic.  
 schweinfurthii  
   var. papillosa *A. Radcliffe-Smith in Kew Bull.*, 44(3): 447 (1989)—Socotra.

**ANDROCYMBIUM** (Colchicaceae).

exiguum  
   subsp. vogelii (*U. & D. Müller-Doblies*) *U. & D. Müller-Doblies in Willdenowia*, 19(2): 460 (1990): A. vogelii.

**ANDROGRAPHIS** (Acanthaceae).

monglunensis *H.T. Chang & H. Chu in Acta Sci. Nat. Univ. Sunyatseni*, 28(2): 64 (1989)—China.

**ANDROMEDA** (Ericaceae).

japonica *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 407 (1784)—Japan.†

**ANDROPOGON** (Gramineae).

ciliatus *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 903 (1784)—Japan.†  
 cotulifer *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 903 (1784)—Japan.†  
 crinitus *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 903 (1784)—Japan.†  
 glomeratus  
   var. scabriglumus *C.S. Campbell in Syst. Bot.*, 11(2): 291 (1986)—U.S.A. (New Mexico).  
 gyirongensis *L. Liou in Fl. Xizangica*, 5: 329 (1987)—Xizang.  
 sanguineus  
   var. brevipedicellatus (*Beal*) *Y. Herrera A. in Bol. Soc. Bot. Méx.*, 48: 22 (1988 publ. 1989): A. hirtiflorus var. brevipedicellatus.  
   var. oligostachyus (*Chapm.*) *Y. Herrera A. in Bol. Soc. Bot. Méx.*, 48: 22 (1988 publ. 1989): A. oligostachyus.  
 sanlorenzanus *T.J. Killeen in Ann. Missouri Bot. Gard.*, 77(1): 137 (1990)—Bolivia.  
 serratus *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 903 (1784)—Japan.†  
 virginicus  
   var. decipiens *C.S. Campbell in Syst. Bot.*, 11(2): 290 (1986)—U.S.A. (Florida).

**ANDROSACE** (Primulaceae).

subject. Dasyphyllae *Ovcz. ex V.B. Kuvaev in Bot. Zhurn.*, 72(7): 955 (1987).  
 sect. Filiformes *V.B. Kuvaev & N.M. Pirozhkova in Bot. Zhurn.*, 72(7): 955 (1987).  
 sect. Mirabiles (*Hand-Mazz.*) *Y.C. Yang & R.F. Huang in Acta Phytotax. Sin.*, 24(3): 219 (1986): A. subject. Mirabiles.  
 subject. Oreades *Schischk. & Bobr. ex V.B. Kuvaev in Bot. Zhurn.*, 72(7): 956 (1987), without type.  
 subject. Perennes *V.B. Kuvaev & N.M. Pirozhkova in Bot. Zhurn.*, 72(7): 956 (1987).  
 sect. Pseudodouglasia *Ovcz. ex V.B. Kuvaev in Bot. Zhurn.*, 72(7): 955 (1987).  
 alaica *P.N. Ovchinnikov & S.B. Astanova in Fl. Tadzhikskoi SSR*, 7: 523, 249 (1984)—U.S.S.R. (Middle Asia).  
 alaschanica  
   var. zadoensis *Y.C. Yang & R.F. Huang in Acta Phytotax. Sin.*, 24(3): 231 (1986)—China.  
 amurensis *N.S. Probatova in Sosud. Rast. Sovet. Dal'neg Vostoka*, 2: 155 (1987), nom. nov.: A. lactiflora *Fisch. ex Duby.*  
 arctisibirica (*Korobkov*) *N.S. Probatova in Sosud. Rast. Sovet. Dal'neg Vostoka*, 2: 152 (1987): A. chamaejasme subsp. arctisibirica.  
 bisulca  
   var. aurata (*Petit.*) *Y.C. Yang & R.F. Huang in Acta Phytotax. Sin.*, 24(3): 228 (1986): A. aurata.  
 cernuiflora *Y.C. Yang & R.F. Huang in Acta Phytotax. Sin.*, 24(3): 230 (1986)—China.  
 cylindrica  
   subsp. hirtella (*Dufour*) *W. Greuter & Burdet in Willdenowia*, 16(2): 452 (1987): A. hirtella.  
 henryi  
   subsp. simulans *C.M. Hu & Y.C. Yang in Acta Phytotax. Sin.*, 24(3): 218 (1986)—China.  
 hookeriana  
   var. mairei (*Lévl.*) *J.X. Yang & Huang in Fl. Tsinlingensis*, 1(4): 41 (1983): A. mairei.  
 laxa *C.M. Hu & Y.C. Yang in Acta Phytotax. Sin.*, 24(3): 224 (1986)—China.  
 medifissa *Chen & Y.C. Yang in Acta Phytotax. Sin.*, 24(3): 216 (1986)—China.  
 minor (*Hand-Mazz.*) *C.M. Hu & Y.C. Yang in Acta Phytotax. Sin.*, 24(3): 222 (1986): A. rigida var. minor.

**ANDROSACE** :-

- ovalifolia Y.C. Yang in *Acta Phytotax. Sin.*, 24(3): 221 (1986)—Xizang.  
 pomeiensis C.M. Hu & Y.C. Yang in *Acta Phytotax. Sin.*, 24(3): 228 (1986)—Xizang.  
 tanggulashanensis Y.C. Yang & R.F. Huang in *Acta Phytotax. Sin.*, 24(3): 226 (1986)—Xizang, China.

**ANDROTRICHUM** (Cyperac.).

- montevicensis (Link) Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1835: 1 (1835); *Linnaea* 11, Lit.: 87 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983): Basionym not stated.

**ANEMONASTRUM** (Ranunculac.).

- sect. *Elongata* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 sect. *Imbricata* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1346 (1989).

**ANEMONE** (Ranunculac.).

- subsect. *Carolinianae* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 sect. *Fuscopurpurea* V.F. Tarasevich & R.P. Chaudkhari in *Bot. Zhurn.*, 72(7): 895 (1987).  
 ser. *Rupicola* Tamura ex R.P. Chaudkhari & V.I. Trifonova in *Bot. Zhurn.*, 73(6): 808 (1988).  
 subsect. *Sylvestres* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 subsect. *Vitifoliae* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 alpina  
   subsp. *font-queri* (Lainz & P. Monts.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 819 (1990): *Pulsatilla alpina* subsp. *font-queri*.  
 anhuiensis Y.K. Yang, N. Wang & W.C. Ye in *J. Wuhan Bot. Res.*, 7(4): 327 (1989)—China.  
 cernua C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 510 (1784)—Japan.†  
 demissa  
   subsp. *villosissima* (Brühl) R.P. Chaudhary in *Bot. Zhurn.*, 73(8): 1196 (1988): A. *demissa* var. *villosissima*.  
 exigua  
   var. *shanxiensis* B.L. Li & X.Y. Yu in *Acta Phytotax. Sin.*, 27(2): 152 (1989)—China.  
 geum  
   subsp. *ovalifolia* (Brühl) R.P. Chaudhary in *Bot. Zhurn.*, 73(8): 1190 (1988): A. *obtusiloba* subsp. *ovalifolia*.  
 mirajabii R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 16 (1987)—Pakistan.  
 multilobulata W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 263 (1986)—China.  
 narcissifolia  
   subsp. *biarmiensis* (Juz.) J. Jalas in *Ann. Bot. Fenn.*, 25(3): 297 (1988): A. *biarmiensis*.  
   subsp. *willdenowii* (Boiss.) W. Greuter & Burdet in *Willdenowia*, 19(1): 43 (1989): A. *narcissiflora* var. *willdenowii*.  
 nutantiflora W.T. Wang & L.Q. Li in *Acta Bot. Yunnanica*, 8(3): 265 (1986)—China.  
 obtusiloba  
   var. *leiocarpa* M. Tamura in *Acta Phytotax. Geobot.*, 37(4-6): 153 (1986)—Nepal.  
   subsp. *nepalensis* R.P. Chaudhary in *Bot. Zhurn.*, 73(8): 1192 (1988)—Nepal.  
   subsp. *potentilloides* (Cambess. ex Lauener) R.P. Chaudhary in *Bot. Zhurn.*, 73(8): 1192 (1988): A. *obtusiloba* var. *potentilloides*.  
 pulsatilla  
   var. *hispanica* (Zimmermann) O. de Bolòs & J. Vigo, *Fl. Països Catalans*: 239 (1984): *Pulsatilla rubra* subsp. *hispanica*.  
   var. *monticiana* O. de Bolòs & J. Vigo, *Fl. Països Catalans*: 239 (1984)—Spain.  
   var. *nana* (Aichele & Schwegler) O. de Bolòs & J. Vigo, *Fl. Països Catalans*: 239 (1984): *Pulsatilla rubra* var. *nana*.  
 rupicola  
   subsp. *laceratoincisa* (W.T. Wang) R.P. Chaudkhari in *Bot. Zhurn.*, 72(6): 824 (1987): A. *laceratoincisa*.  
   subsp. *reniformis* R.P. Chaudkhari in *Bot. Zhurn.*, 72(6): 825 (1987)—India.  
   subsp. *sericea* (Hook. f. & Thoms.) R.P. Chaudkhari in *Bot. Zhurn.*, 72(6): 823 (1987): A. *rupicola* var. *sericea*.

**ANEMONE** :-

- smithiana  
   subsp. *sericea* R.P. Chaudhary in *Bot. Zhurn.*, 73(8): 1196 (1988)—Sikkim, Assam, Bhutan, ?Nepal.  
 trifolia  
   subsp. *brevidentata* D. Ubaldi & G. Puppi in *Candollea*, 44(1): 145 (1989)—Italy.  
 wendelboi R.P. Chaudkhari in *Bot. Zhurn.*, 72(6): 825 (1987), as 'wendelboii'—Pakistan.

**ANEMONIDIUM** (Ranunculac.).

- subsect. *Helleborifolia* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 subgen. *Meridium* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 sect. *Meridium* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989).  
 sect. *Mexicana* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989), without latin descr.  
 helleborifolium (DC.) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone helleborifolia*.  
 mexicanum (Humb., Bonpl. & Kunth) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone mexicana*.

**ANEMONOIDES** (Ranunculac.).

- subsect. *Altaicae* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1346 (1989).  
 subsect. *Ranunculoides* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1346 (1989).  
 sect. *Umbrosa* V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1346 (1989).

**ANERINCLEISTUS** (Melastomatac.).

- sect. *Pomatostoma* (Stapf) J.F. Maxwell in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 35, 64 (1989): gen. *Pomatostoma*.  
 phyllagathoides  
   var. *inaequalis* (Stapf) J.F. Maxwell in *Gard. Bull. Singapore*, 35(2): 215 (1982 publ. 1983): *Pomatostoma inaequalis*.

**ANETHUM** (Umbellif.).

- graveolens  
   var. *anatolicum* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 166 (1988)—Cultivation.  
   subsp. *australe* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 165 (1988)—Cultivation.  
   var. *copiosum* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 165 (1988)—Cultivation.  
   var. *nanum* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 167 (1988)—Cultivation.  
   var. *parvifolium* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 165 (1988)—Cultivation.  
   subsp. *segetum* (L.) N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 164 (1988): A. *segetum*.  
   subsp. *sowa* (Roxb. ex Flem.) N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 167 (1988): A. *sowa*.  
   var. *tenerifrons* N.F. Koren' in *Kulturnaya Fl. SSSR*, 12: 166 (1988)—Cultivation.

**ANGELICA** (Umbellif.).

- archangelica  
   subsp. *himalaica* (Clarke) G. Singh in G. Singh & P. Kachroo, *Forest Fl. Srinagar*: 183 (1987): A. *officinalis* var. *himalaica*.  
 chinghaiensis Shan ex K.T. Fu in *Fl. Tsinlingensis*, 1(3): 462, 421 (1981)—China.  
 cyclocarpa (C. Norman) J.F.M. Cannon in *Enum. Fl. Pl. Nepal*, 2: 184 (11 June 1979), isonym; see M. Hiroe, *Umbellif. of World*: 1430 (28 Feb. 1979): *Archangelica cyclocarpa*.  
 czernaevia  
   var. *flaccida* (Kom.) M.G. Pimenov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 258 (1987): A. *flaccida*.  
 harae M.G. Pimenov in *Feddes Repert.*, 98(7-8): 379 (1987)—Nepal.  
 japonica  
   var. *boninensis* (Tuyama) T. Yamazaki in *J. Jap. Bot.*, 65(7): 223 (1990): A. *boninensis*.  
   var. *hirsutiflora* (Liu, Chao & Chuang) T. Yamazaki in *J. Jap. Bot.*, 65(7): 222 (1990): A. *hirsutiflora*.

**ANGELICA** :-

- ostruthium (L.) Lag., *Elenchus*: 2 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982): Basionym not stated.  
 sachalinensis  
   var. *glabra* (Koidz.) T. Yamazaki in *J. Jap. Bot.*, 61(8): 243 (1986): A. *matsumurae* var. *glabra*.  
   var. *kawakamii* (Koidz.) T. Yamazaki in *J. Jap. Bot.*, 64(3): 90 (1989): A. *kawakamii*.  
   var. *pubescens* T. Yamazaki in *J. Jap. Bot.*, 61(8): 243 (1986)—Japan.  
   f. *saninensis* T. Yamazaki in *J. Jap. Bot.*, 64(3): 90 (1989)—Japan.  
 tichomirovii V.M. Vinogradova in *Novosti Sist. Vyssh. Rast.*, 23: 93 (1986)—Xinjiang.  
 tsinlingensis K.T. Fu in *Fl. Tsinlingensis*, 1(3): 461, 420 (1981)—China.

**ANGIANTHUS** (Compos.).

- newbeyi P.S. Short in *Muelleria*, 7(2): 239 (1990)—Australia (W. Australia).  
 uniflorus P.S. Short in *Muelleria*, 7(2): 240 (1990)—Australia (W. Australia).

**ANGINON** (Umbellif.).

- difforme (L.) B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 90 (1988): *Bupleurum difforme*.  
 swellendamense (Ecklon & Zeyher) B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 91 (1988): *Trinia swellendamensis*.

**ANGOLLUMA** R. Munster in *Cact. Succ. J. New S. Wales*, 17: 63 (1990). **ASCLEPIADACEAE**.

- decaisneana R. Munster in *Cact. Succ. J. New S. Wales*, 17: 64 (1990), without latin descr. or type—Locality not stated.

**ANGOPHORA** (Myrtac.).

- ser. *Bakerinae* K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 42 (1988).  
 subser. *Costatitae* K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 42 (1988).  
 ser. *Floribundinae* K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 41 (1988).  
 ser. *Subvelutininae* K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 42 (1988).  
 bakeri  
   subsp. *crassifolia* G.J. Leach in *Telopea*, 2(6): 766 (1986)—Australia (New South Wales).  
   subsp. *paludosa* G.J. Leach in *Telopea*, 2(6): 764 (1986)—Australia (New South Wales).  
 costata  
   subsp. *euryphylla* L. Johnson ex G.J. Leach in *Telopea*, 2(6): 759 (1986)—Australia (New South Wales).  
   subsp. *leiocarpa* L. Johnson ex G.J. Leach in *Telopea*, 2(6): 760 (1986)—Australia (New South Wales, Queensland).  
 crassifolia (G. Leach) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 38 (1990): A. *bakeri* subsp. *crassifolia*.  
 euryphylla (L. Johnson ex G. Leach) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 38 (1990): A. *costata* subsp. *euryphylla*.  
 leiocarpa (L. Johnson ex G. Leach) K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 41 (1988): A. *costata* subsp. *leiocarpa*.  
 paludosa (G. Leach) K.R. Thiele & P.Y. Ladiges in *Cladistics, Int. J. Willi Hennig Soc.*, 4(1): 41 (1988): A. *bakeri* subsp. *paludosa*.  
 robur L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 40 (1990)—Australia (New South Wales).

**ANGOSTURA** (Rutac.).

- kunorum G. McPherson in *Ann. Missouri Bot. Gard.*, 75(1): 375 (1988)—Panama.  
 resinosa (Nees & C. Martius) R.E. Gereau in *Candollea*, 45(1): 368 (1990): *Rauia resinosa*.  
 ulei (K. Krause) R.E. Gereau in *Candollea*, 45(1): 368 (1990): *Rauia ulei*.

**ANGRAECOPSIS** (Orchidac.).

- lovetii P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 601 (1989)—Tanzania.  
 parva (Cribb) P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 601 (1989): *Holmesia parva*.

**ANGRAECUM** (Orchidac.).

- borbonicum *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 20 (1988)—Réunion.  
 cadetii *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(3): 252 (1987 publ. 1988)—Réunion, Mauritius.  
 geniculatum *G. Williamson in Kirkia*, 13(2): 247 (1990)—Zambia.  
 letouzeyi *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 374 (1989 publ. 1990)—Madagascar.  
 longicalcar (*Bosser*) *K. Senghas in Schlechter Orchideen*, 1(16–18): 1004 (1986): *A. eburneum* var. *longicalcar*.  
 marii *D. Geerinck in Bull. Jard. Bot. Nation. Belg.*, 60(1–2): 181 (1990)—Rwanda.  
 palmicola *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 376 (1989 publ. 1990), as 'palmicolum'—Madagascar.  
 petterssonianum *D. Geerinck in Bull. Jard. Bot. Nation. Belg.*, 60(1–2): 181 (1990)—Rwanda.  
 peyrotii *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 32 (1989)—Madagascar.  
 rubellum *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 22 (1988)—Madagascar.

× **ANGRANTHELLEA** hort. in *Orchid Rev.*, 96(1138): centre page pull-out p. 8 (1988). *ORCHIDACEAE*. (*Aeranthos* × *Angraecum* × *Jumellea*).

× **ANGREONIELLA** hort. in *Orchid Rev.*, 95(1119): centre page pull-out p. 8 (1987). *ORCHIDACEAE*. (*Angraecum* × *Oeonieella*).

**ANIGOZANTHOS** (Haemodorac.).

- sect. *Concatenati* *S.D. Hopper in Fl. Australia*, 45: 455, 118 (1987).  
 subgen. *Haplanthesis* (*Benth.*) *S.D. Hopper in Fl. Australia*, 45: 455 (1987): *A. sect. Haplanthesis*.  
 bicolor  
   subsp. *decrescens* *S.D. Hopper in Fl. Australia*, 45: 455, 123 (1987)—Australia (W. Australia).  
   subsp. *exstans* *S.D. Hopper in Fl. Australia*, 45: 455, 122 (1987)—Australia (W. Australia).  
   subsp. *minor* (*Benth.*) *S.D. Hopper in Fl. Australia*, 45: 455 (1987): *A. bicolor* var. *minor*.  
 humilis  
   subsp. *chrysanthus* *S.D. Hopper in Fl. Australia*, 45: 456, 120 (1987)—Australia (W. Australia).  
 manglesi  
   subsp. *quadrans* *S.D. Hopper in Fl. Australia*, 45: 456, 125 (1987)—Australia (W. Australia).  
 viridis  
   subsp. *terraspectans* *S.D. Hopper in Fl. Australia*, 45: 456, 124 (1987)—Australia (W. Australia).

**ANISACANTHUS** (Acanthac.).

- quadrifidus  
   var. *brevilobus* (*Hagen*) *J. Henrickson in Sida*, 11(3): 298 (1986): *A. wrightii* var. *brevilobus*.  
   var. *potosinus* *J. Henrickson in Sida*, 11(3): 296 (1986)—Mexico.  
   var. *wrightii* (*Torr.*) *J. Henrickson in Sida*, 11(3): 296 (1986): *Drejera wrightii*.

**ANISEIA** (Convolvulac.).

- stenantha  
   var. *macrostephana* *Y.H. Zhang in Acta Phytotax. Sin.*, 24(2): 155 (1986)—China.

**ANISOPAPPUS** (Compos.).

- bampsianus *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(1–2): 199 (1986)—Zaire.  
 burundiensis *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 259 (1988)—Burundi.  
 lawalreanus *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(1–2): 200 (1986)—Zaire.  
 lejolyanus *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 370 (1986)—Zaire.  
 petitianus *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(1–2): 202 (1986)—Zaire.  
 robysianus *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 369 (1986)—Zaire.  
 upembensis *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 371 (1986)—Zaire.

**ANISOPHYLLEA** (Anisophylleac.).

- myriosticta *J.-J. Floret in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(4): 373 (1986 publ. 1987)—Nigeria, Cameroun, Congo - Brazzaville, Gabon.  
 polyneura *J.-J. Floret in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(4): 377 (1986 publ. 1987)—Gabon, Cameroun, Congo - Brazzaville, Nigeria, Zaire.

**ANISOTHRIX** (Compos.).

- integra (*Compton*) *A.A. Anderberg in Bot. Jahrb.*, 109(3): 370 (1988): *Iphiona integra*.

**ANISOTOME** (Umbellif.).

- procumbens (*F. Muell.*) *C.J. Webb in B.A. Barlow (ed.), Fl. & Fauna Alp. Australasia*: 395 (1986): *Gingidium procumbens*.

**ANNA** (Gesneriac.).

- mollifolia (*W.T. Wang*) *W.T. Wang & K.Y. Pan in Fl. Reipubl. Popul. Sin.*, 69: 487 (1990): *Lysionotus mollifolius*.

**ANNESLEA** (Theac.).

- paradoxa *Nguyen Huu Hien & G.P. Yakovlev in Bot. Zhurn.*, 71(8): 1120 (1986)—Vietnam.

**ANNICKIA** A.K. van Setten & P.J.M. Maas in *Taxon*, 39(4): 678, 681 (1990), nom. nov.: gen *Enantia* D. Oliver (Annonac.).

- ambigua (*Robyns & Ghesquière*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia ambigua*.  
 atrocyaneus (*Robyns & Ghesquière*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia atrocyaneus*.  
 chlorantha (*Oliver*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia chlorantha*.  
 kummeriae (*Engler & Diels*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia kummeriae*.  
 kwiluensis (*Robyns & Ghesquière*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia kwiluensis*.  
 lebrunii (*Robyns & Ghesquière*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia lebrunii*.  
 letestui (*Le Thomas*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia letestui*.  
 olivacea (*Robyns & Ghesquière*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia olivacea*.  
 pilosa (*Exell*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Enantia pilosa*.  
 polycarpa (*A.P. de Candolle*) *A.K. van Setten & P.J.M. Maas in Taxon*, 39(4): 676 (1990): *Unona polycarpa*.

**ANNONA** (Annonac.).

- cherimola *Miller, Gard. Dict.*, ed. 8, without page no. (1768)—Peru.†

**ANODA** (Malvac.).

- sect. *Clausanoda* *P.A. Fryxell in Aliso*, 11(4): 490 (1987).  
 sect. *Liberanoda* *P.A. Fryxell in Aliso*, 11(4): 489 (1987).  
 sect. *Pseudanoda* *P.A. Fryxell in Aliso*, 11(4): 489 (1987).  
 albiflora *P.A. Fryxell in Aliso*, 11(4): 493 (1987)—Cultivation ex Mexico.  
 guatemalensis *P.A. Fryxell in Aliso*, 11(4): 498 (1987)—Guatemala.  
 hintoniorum *P.A. Fryxell in Aliso*, 11(4): 500 (1987)—Mexico.  
 hirta *P.A. Fryxell in Aliso*, 11(4): 502 (1987)—Mexico.  
 leonensis *P.A. Fryxell in Aliso*, 11(4): 504 (1987)—Mexico.  
 maculata *P.A. Fryxell in Aliso*, 11(4): 506 (1987)—Mexico.  
 palmata *P.A. Fryxell in Aliso*, 11(4): 507 (1987)—Mexico.  
 polygyna *P.A. Fryxell in Aliso*, 11(4): 512 (1987)—Mexico.  
 speciosa *P.A. Fryxell in Aliso*, 11(4): 516 (1987)—Mexico.

**ANODA** :—

- succulenta *P.A. Fryxell in Aliso*, 11(4): 518 (1987)—Mexico.  
 zuccagnii (*Sprengel*) *P.A. Fryxell in Aliso*, 11(4): 519 (1987): *Sida zuccagnii*.

**ANOECTOCHILUS** (Orchidac.).

- luzonensis (*Ames*) *J.J. Wood in Kew Bull.*, 41(4): 815 (1986): *Adenostylis luzonensis*.  
 petola (*Lindl.*) *Hereman, Paxt. Bot. Dict.*: 600 (1868); cf. *D.J. Mabberley in Taxon*, 32(1): 87 (1983): *Macodes petola*.  
 zhejiangensis *Z. Wei & Y.B. Chang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 39 (1989)—China.

**ANOMACANTHUS** (Acanthac.).

- congolanus (*De Wild. & T. Durand*) *R.K. Brummitt in Kew Bull.*, 45(4): 710 (1990): *Gilletiella congolana*.

**ANOMANTHODIA** (Rubiac.).

- alveolata (*Elmer*) *D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 279 (1986): *Randia alveolata*.  
 bakeri (*Merr.*) *D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 279 (1986): *Randia bakeri*.  
 dilleniacea (*Baillon*) *D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 277 (1986): *Randia dilleniacea*.  
 lancifolia (*Wong*) *D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 279 (1986): *Aidia lancifolia*.

**ANOMATHECA** (Iridac.).

- capitata (*Ker*) *De Vriese, Hort. Spaarn-Berg.*: 5 (1839); cf. *D.J. Mabberley in Taxon*, 33(3): 441 (1984): *Aristea capitata*.

**ANREDERA** (Basellac.).

- scandens *Sm. in Rees, Cyclop.*, 39(1): *Anredera* n. 1 (1818); cf. *D.J. Mabberley in Taxon*, 32(1): 81 (1983)—Locality not stated.

**ANSELLIA** (Orchidac.).

- africana  
   subsp. *australis* (*Summerh.*) *K. Senghas in Schlechter Orchideen*, 1(23): 1454 (1990): *A. africana* var. *australis*.  
 gigantea  
   subsp. *nilotica* (*N.E. Br.*) *K. Senghas in Schlechter Orchideen*, 1(23): 1455 (1990): *A. nilotica*.

**ANTENNARIA** (Compos.).

- friesiana  
   subsp. *beringensis* *V.V. Petrovskii in Novosti Sist. Vyssh. Rast.*, 23: 193 (1986)—U.S.S.R. (Soviet Far East).  
   subsp. *pseudoisolepis* *V.V. Petrovskii in Novosti Sist. Vyssh. Rast.*, 23: 194 (1986)—U.S.S.R. (Soviet Far East).  
 howellii  
   subsp. *canadensis* (*Greene*) *R.J. Bayer in Brittonia*, 41(4): 397 (1989): *A. canadensis*.  
   subsp. *neodioica* (*Greene*) *R.J. Bayer in Brittonia*, 41(4): 397 (1989): *A. neodioica*.  
   subsp. *petaloidea* (*Fern.*) *R.J. Bayer in Brittonia*, 41(4): 397 (1989): *A. neodioica* var. *petaloidea*.  
 margaritacea (*L.*) *Sweet, Hort. Brit.*: 221 (1826); cf. *D.J. Mabberley in Taxon*, 30(1): 15 (1981): *Basionym* not stated.  
 plantaginea *Sweet, Hort. Brit.*: 221 (1826); cf. *D.J. Mabberley in Taxon*, 30(1): 15 (1981)—Locality not stated.  
 pseudoarenicola *V.V. Petrovskii in Novosti Sist. Vyssh. Rast.*, 23: 195 (1986)—U.S.S.R. (Soviet Far East).  
 pulcherrima  
   var. *anaphaloides* (*Rydb.*) *G.W. Douglas in Canad. J. Bot.*, 64(11): 2726 (1986): *A. anaphaloides*.  
 roezlii *Huber, Cat. Gén. 1871 & 1872*: 3 (1871); cf. *D.J. Mabberley in Taxon*, 34(3): 453 (1985)—Locality not stated.  
 rosea  
   subsp. *arida* (*E. Nels.*) *R.J. Bayer in Brittonia*, 41(1): 57 (1989): *Antennaria arida*.  
   subsp. *confinis* (*Greene*) *R.J. Bayer in Brittonia*, 41(1): 57 (1989): *A. confinis*.  
   subsp. *pulvinata* (*Greene*) *R.J. Bayer in Brittonia*, 41(1): 59 (1989): *A. pulvinata*.



**ANTERIORCHIS** E. Klein & D. Strack in *Phytochemistry*, 28(8): 2136 (1989). **ORCHIDACEAE**.  
*coriophora* (L.) E. Klein & D. Strack in *Phytochemistry*, 28(8): 2137 (1989); *Orchis coriophora*.  
*sancta* (L.) E. Klein & D. Strack in *Phytochemistry*, 28(8): 2137 (1989); *Orchis sancta*.

**ANTHAENANTIOPSIS** (Gramin.).  
*racemosa* S.A. Renvoize in *Kew Bull.*, 42(4): 924 (1987)—Brazil.

**ANTHEMIS** (Compos.).  
*altissima*  
*var. discoidea* M. Iranshahr in *Fl. Iran.*, 158: 24 (1986), without latin descr.—Iran.  
*caucasica* N.S. Khandzhyan in *Novosti Sist. Vyssh. Rast.*, 26: 161 (1989), nom. nov.: *A. biebersteiniana* γ. *pectinata* Boiss.  
*cretica*  
*subsp. carpatica* (Willd.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. carpatica*.  
*subsp. chrysocephala* (Boiss.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. montana* var. *chrysocephala*.  
*subsp. columnae* (Tén.) R. Franzén in *Willdenowia*, 16(1): 40 (1986): *A. montana* var. *columnae*.  
*var. mariae* (Sennen) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988), without basionym date: *A. mariae*.  
*var. mariae* (Sennen) O. Bolòs & Vigo ex F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 45(2): 587 (1988 publ. 1989): *A. mariae*.  
*subsp. subcinerea* (Rouy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. montana* var. *subcinerea*.  
*var. subcinerea* (Rouy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. montana* var. *subcinerea*.  
*var. subscaposa* (Rouy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. montana* var. *subscaposa*.  
*laconica* R. Franzén in *Willdenowia*, 16(1): 41 (1986)—Greece.  
*maritima*  
*subsp. bolosii* C. Benedí González & J. Molero Briones in *Fontqueria*, 28: 1 (1990)—Algeria.  
*triumfetti*  
*subsp. cossoniana* (Rech. f.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): *A. cossoniana*.  
*subsp. decumbens* M. Iranshahr in *Fl. Iran.*, 158: 21 (1986)—Iran.  
*subsp. khorasanica* (Rech. f.) M. Iranshahr in *Fl. Iran.*, 158: 20 (1986): *A. khorasanica*.

**ANTHERICUM** (Anthericac.).  
*collinum* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 26 (1988)—Peru.  
*glareosum* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 29 (1988)—Peru.  
*japonicum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 331 (1784)—Japan.†  
*machupicence* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 27 (1988)—Peru.  
*pratense* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 25 (1988)—Bolivia.  
*ticanianum* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 28 (1988)—Peru.  
*tunarianum* P. Ravenna in *Onira, Bot. Leaflet*, 1(3): 24 (1988)—Bolivia.

**ANTHOCHORTUS** (Restionac.).  
*capensis* E.E. Esterhuysen in *Bothalia*, 15(3-4): 484 (1985)—South Africa (Cape Province).  
*crinalis* (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 486 (1985): *Restio crinalis*.  
*graminifolius* (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 486 (1985): *Restio graminifolius*.  
*insignis* (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 487 (1985): *Phyllocomos insignis*.  
*laxiflorus* (Nees) H.P. Linder in *Bothalia*, 15(3-4): 487 (1985): *Hypolaena laxiflora*.  
*singularis* E.E. Esterhuysen in *S. Afr. J. Bot.*, 56(4): 454 (1990)—South Africa (Cape Province).

**ANTHOLYZA** (Iridac.).  
*bicolor* Gasp. ex Vis., *Ort. Bot. Padova*: 56, 134 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.

**ANTHOPTERUS** (Ericac.).  
*ecuadorensis* J.L. Luteyn in *Op. Bot.*, 92: 113 (1987)—Ecuador.  
*verticillatus* J.L. Luteyn in *Op. Bot.*, 92: 110 (1987)—Ecuador.

**ANTHOSPERMUM** (Rubiac.).  
*basiticum* C. Puff in *Fl. S. Afr.*, 31(1:2): 20 (1986)—Lesotho, South Africa (Cape Province, Orange Free State, Natal).  
*bicorne* C. Puff in *Fl. S. Afr.*, 31(1:2): 36 (1986)—South Africa (Cape Province).  
*comptonii* C. Puff in *Fl. S. Afr.*, 31(1:2): 32 (1986)—South Africa (Cape Province).  
*dregei*  
*subsp. ecklonis* (Sond.) C. Puff in *Fl. S. Afr.*, 31(1:2): 32 (1986): *A. ecklonis*.  
*esterhuysenianum* C. Puff in *Fl. S. Afr.*, 31(1:2): 33 (1986)—South Africa (Cape Province).  
*var. hirsutum* C. Puff in *Fl. S. Afr.*, 31(1:2): 33 (1986)—South Africa (Cape Province).  
*galioides*  
*subsp. reflexifolium* (Kuntze) C. Puff in *Fl. S. Afr.*, 31(1:2): 30 (1986): *A. aethiopicum* var. *reflexifolium*.  
*ibityense* C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 298 (1986)—Madagascar.  
*isaloense* Homolle ex C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 218 (1986)—Madagascar.  
*longisepalum* Homolle ex C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 299 (1986)—Madagascar.  
*madagascariense* Homolle ex C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 215 (1986)—Madagascar.  
*monticola* C. Puff in *Fl. S. Afr.*, 31(1:2): 19 (1986)—South Africa (Cape Province, Orange Free State, Natal), Lesotho.  
*palustre* Homolle ex C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 324 (1986)—Madagascar.  
*perrieri* Homolle ex C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 280 (1986)—Madagascar.  
*pumilum*  
*subsp. rigidum* (Eckl. & Zeyh.) C. Puff in *Fl. S. Afr.*, 31(1:2): 26 (1986): *A. rigidum*.  
*rigidum*  
*subsp. pumilum* (Sond.) C. Puff in *Fl. Zambes.*, 5(1): 158 (1989): *A. pumilum*.  
*spathulatum*  
*subsp. ecklonianum* (Cruse) C. Puff in *Fl. S. Afr.*, 31(1:2): 18 (1986): *A. aethiopicum* var. *ecklonianum*.  
*subsp. saxatile* C. Puff in *Fl. S. Afr.*, 31(1:2): 18 (1986)—South Africa (Cape Province).  
*subsp. tulbaghense* C. Puff in *Fl. S. Afr.*, 31(1:2): 19 (1986)—South Africa (Cape Province).  
*subsp. uitenhagense* C. Puff in *Fl. S. Afr.*, 31(1:2): 17 (1986)—South Africa (Cape Province).  
*streyi* C. Puff in *Fl. S. Afr.*, 31(1:2): 28 (1986)—South Africa (Natal).  
*ternatum*  
*subsp. randii* (S. Moore) C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 285 (1986): *A. randii*.  
*thymoides*  
*subsp. antsirabense* C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 328 (1986)—Madagascar.  
*villosicarpum* (Verdc.) C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 292 (1986): *A. herbaceum* var. *villosicarpum*.  
*zimbabwense* C. Puff, *Biosyst. Study African & Madagascan Rubiac.-Anthosperm.* (Pl. Syst. Evol., Supp. 3): 201 (1986)—Zimbabwe, Mozambique.

**ANTHOTIUM** (Goodeniace.).  
*junciforme* (Vriese) D.A. Morrison in *Nuytsia*, 7(1): 55 (1989): *Goodenia junciformis*.

**ANTHOXANTHUM** (Gramin.).  
*japonicum*  
*subsp. luzoniense* (Merrill) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 486 (1987): *A. luzoniense*.  
*latifolium* B.S. Sun & S. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 16 (1990)—China.  
*var. purpurascens* B.S. Sun & S. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 17 (1990)—China.  
*odoratum*  
*subsp. furumii* (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 486 (1987): *A. nipponicum* var. *furumii*.

**ANTHURIUM** (Arac.).  
*alticola* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 29* (1986)—Panama, Colombia.  
*angustilobum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 33* (1986)—Panama.  
*antonioanum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 34* (1986)—Panama.  
*aroense* G.S. Bunting in *Phytologia*, 60(5): 293 (1986)—Venezuela.  
*barryi* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 36* (1986)—Panama.  
*bernardii* T.B. Croat in *Aroideana*, 8(4): 120 (1985 publ. 1986)—Venezuela.  
*berryi* G.S. Bunting in *Phytologia*, 60(5): 293 (1986)—Venezuela.  
*betanianum* T.B. Croat in *Aroideana*, 9(1-4): 9 (1986)—Venezuela.  
*bicollectivum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 37* (1986)—Panama.  
*bonplandii*  
*subsp. cuatrecasii* T.B. Croat in *Aroideana*, 9(1-4): 11 (1986), as 'cuatrecasii'—Venezuela, Colombia.  
*subsp. rionegrense* G.S. Bunting in *Phytologia*, 64(6): 459 (1988)—Venezuela.  
*brevispadix* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 40* (1986)—Panama.  
*caloveboranum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 42* (1986)—Panama.  
*caraboboense* T.B. Croat in *Aroideana*, 9(1-4): 14 (1986)—Venezuela.  
*cartiense* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 44* (1986)—Panama.  
*cataniapoense* T.B. Croat in *Aroideana*, 9(1-4): 18 (1986)—Venezuela.  
*cerropirrense* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 47* (1986)—Panama.  
*chorraranum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 49* (1986)—Panama.  
*chromostachyum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 50* (1986)—Panama.  
*cineraceum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 52* (1986)—Colombia, Panama.  
*cinereopetiolatum* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 53* (1986)—Panama, ?Colombia.  
*collinsii* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 59* (1986)—Panama.  
*colonense* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 60* (1986)—Panama.  
*coloradense* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 64* (1986)—Panama.  
*corocoroense* G.S. Bunting in *Phytologia*, 64(6): 462 (1988)—Venezuela.  
*correae* T.B. Croat, *Rev. Gen. Anthurium (Arac.) ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14): 68* (1986)—Panama.

**ANTHURIUM :-**

- crassilaminum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):69 (1986)—Panama.
- crassiradix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):70 (1986)—Panama.
- var. purpureospadix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):71 (1986)—Panama.
- crassitepalum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):72 (1986)—Panama.
- cuasicanum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):76 (1986)—Panama.
- cucullispalum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):77 (1986)—Panama.
- curvilaminum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):80 (1986)—Panama.
- curvispadix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):83 (1986)—Panama.
- davidsei T.B. Croat in *Aroideana*, 9(1-4): 22 (1986)—Venezuela.
- dichrophyllum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):85 (1986)—Panama.
- dukei T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):87 (1986)—Panama.
- erythrostachyum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):89 (1986)—Panama, Colombia.
- fernandezii T.B. Croat in *Aroideana*, 8(4): 124 (1985 publ. 1986)—Venezuela.
- folsomianum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):95 (1986)—Panama.
- foreroanum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):96 (1986)—Panama.
- fragrantissimum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):98 (1986)—Panama, Colombia.
- fusiforme T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):102 (1986)—Panama.
- gehrigeri T.B. Croat in *Aroideana*, 8(4): 129 (1985 publ. 1986)—Venezuela.
- gentryi T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):104 (1986)—Panama.
- ginesii T.B. Croat in *Aroideana*, 9(1-4): 30 (1986)—Venezuela.
- globosum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):105 (1986)—Panama.
- gonzalezii T.B. Croat in *Aroideana*, 8(4): 131 (1985 publ. 1986)—Venezuela.
- gracililaminum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):106 (1986)—Panama.
- gracilispadix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):107 (1986)—Panama.
- guaiquinimae G.S. Bunting in *Phytologia*, 64(6): 462 (1988)—Venezuela.
- guanchezii G.S. Bunting in *Phytologia*, 60(5): 295 (1986)—Venezuela.
- hammelii T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):109 (1986)—Panama.
- hebetatum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):109 (1986)—Panama.
- hornitense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):114 (1986)—Panama.
- huequeense G.S. Bunting in *Phytologia*, 60(5): 295 (1986)—Venezuela.

**ANTHURIUM :-**

- humboldtianum subsp. viridispadix T.B. Croat in *Aroideana*, 9(1-4): 36 (1986)—Venezuela.
- humoense T.B. Croat in *Aroideana*, 9(1-4): 36 (1986)—Venezuela.
- hutchisonii T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):115 (1986)—Panama.
- impolitum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):116 (1986)—Panama.
- iramireziae G.S. Bunting in *Ann. Missouri Bot. Gard.*, 76(3): 917 (1989), as 'iramirezae'—Venezuela.
- jefense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):118 (1986)—Panama.
- kallunkiae T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):119 (1986)—Panama.
- kamemotoanum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):120 (1986)—Panama.
- lactifrutum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):122 (1986)—Panama.
- lancifolium var. albifrutum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):125 (1986)—Panama.
- leptocaulum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):127 (1986)—Panama.
- liesneri T.B. Croat in *Aroideana*, 9(1-4): 43 (1986)—Venezuela.
- llanense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):128 (1986)—Panama.
- longissimum subsp. nirguense G.S. Bunting in *Phytologia*, 60(5): 295 (1986)—Venezuela.
- longistipitatum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):129 (1986)—Panama.
- madisonianum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):132 (1986)—Panama.
- malianum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):134 (1986)—Colombia/Panama border.
- marinoanum T.B. Croat in *Aroideana*, 9(1-4): 44 (1986)—Venezuela.
- melastomatiss T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):137 (1986)—Panama.
- nervatum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):141 (1986)—Panama.
- niqueanum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):143 (1986)—Panama.
- oxystachyum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):145 (1986)—Panama.
- pageanum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):146 (1986)—Panama.
- panamense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):148 (1986)—Panama.
- papillilaminum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):152 (1986)—Panama.
- pauciflorum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):153 (1986)—Panama.
- pendens T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):153 (1986)—Panama, Colombia.
- perijanum G.S. Bunting in *Phytologia*, 60(5): 296 (1986)—Venezuela.
- pirrense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):156 (1986)—Panama.
- pittieri var. morii T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):159 (1986)—Panama.

**ANTHURIUM :-**

- platyrhizum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):160 (1986)—Panama.
- plowmanii T.B. Croat in *Candollea*, 42(2): 811 (1987)—Brazil, Bolivia, Paraguay, Peru.
- protensum subsp. arcuatum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):164 (1986)—Panama.
- pseudospectabile T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):165 (1986)—Panama.
- puberulinervium T.B. Croat in *Aroideana*, 9(1-4): 51 (1986)—Venezuela.
- redolens T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):169 (1986)—Panama.
- roseospadix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):170 (1986)—Panama.
- rubrifrutum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):173 (1986)—Panama.
- rupicola T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):173 (1986)—Panama.
- sagawae T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):175 (1986)—Panama.
- sapense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):178 (1986)—Panama.
- smithii T.B. Croat in *Aroideana*, 8(4): 134 (1985 publ. 1986)—Venezuela, Colombia.
- subrotundum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):183 (1986)—Panama.
- subscriptum G.S. Bunting in *Phytologia*, 60(5): 296 (1986)—Venezuela.
- supraglandulum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):184 (1986)—Panama.
- sysmae T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):185 (1986)—Panama.
- tacarunense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):186 (1986)—Panama.
- tachiranum T.B. Croat in *Aroideana*, 9(1-4): 56 (1986)—Venezuela.
- teribense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):187 (1986)—Panama.
- tutense T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):192 (1986)—Panama.
- tysonii T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):193 (1986)—Panama.
- vinillense G.S. Bunting in *Phytologia*, 64(6): 462 (1988)—Venezuela.
- wedelianum T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):196 (1986)—Panama.
- subsp. viridispadix T.B. Croat, *Rev. Gen. Anthurium (Arac.)* ... Pt. 2: Panama (Monogr. Syst. Bot. Missouri Bot. Gard. 14):199 (1986)—Panama.
- xanthoneurum G.S. Bunting in *Phytologia*, 60(5): 298 (1986)—Venezuela.

**ANTHYLLIS (Legumin.).**

- fennica (*Falas*) Z.V. Akulova in *Fl. Evropejskoj Chasti SSSR*, 6: 103 (1987): A. vulneraria subsp. fennica.
- henoniana subsp. valentina (Esteve) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*: 626 (1984), without exact basionym page: A. sericea subsp. valentina.
- vulneraria subsp. bosicii M. Kerguelen in *Lejeunia*, 120: 45 (1987), nom. nov.: A. vulneraria var. pyrenaica Rouy.
- var. busambarensis (Lojac.) J.R. Akeroyd in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 372 (1988 publ. 1989): A. heterophylla var. busambarensis.
- subsp. nana (Ten.) F. Tammaro in *Ann. Bot. (Italy)*, 42: 22 (1984 publ. 1985): A. vulneraria var. nana.



**ANTIDAPHNE** (Eremolepidac.).

- andina* J. Kuijt in *Fl. Ecuador*, 24(32A): 7 (1986)—Ecuador.  
*antidaphneoides* (Rizzini) J. Kuijt, *Monogr. Eremolepidac.* (Syst. Bot. Monog., 18): 26 (1988): Ixidium *antidaphneoides*.  
*glaziovii* (Van Tieghem) J. Kuijt, *Monogr. Eremolepidac.* (Syst. Bot. Monog., 18): 26 (1988): *Basiocarpus glaziovii*.  
*punctulata* (Clos) J. Kuijt, *Monogr. Eremolepidac.* (Syst. Bot. Monog., 18): 28 (1988): *Lepidoceras punctulatum*.  
*schottii* (Eichler) J. Kuijt, *Monogr. Eremolepidac.* (Syst. Bot. Monog., 18): 33 (1988): Ixidium *schottii*.  
*wrightii* (Grisebach) J. Kuijt, *Monogr. Eremolepidac.* (Syst. Bot. Monog., 18): 40 (1988): *Eremolepis wrightii*.

**ANTIDESMA** (Euphorbiac.).

- laciniatum*  
 subsp. *membranaceum* (Muell. Arg.) J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 20 (1988): *A. laciniatum* var. *membranaceum*.  
*parasitica* L.W. Dillwyn, *Rev. Hortus Malab.*: 33 (1839); fide D.J. Mabberley in *Taxon*, 26(5–6): 533 (1977)—India.

**ANTIMIMA** (Aizoac.).

- subgen. *Caespitosa* M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 211 (1988).  
 subgen. *Clavipes* M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 212 (1988).  
 subgen. *Microphylla* M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 213 (1988).  
 subgen. *Virgata* M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 213 (1988).  
*alborubra* (L. Bolus) M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 212 (1988): *Ruschia alborubra*.  
*longipes* (L. Bolus) M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 211 (1988): *Ruschia longipes*.  
*microphylla* (Haw.) M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 213 (1988): *Mesembryanthemum microphyllum*.  
*virgata* (Haw.) M. Dehn in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 213 (1988): *Mesembryanthemum virgatum*.

**ANTIRHEA** (Rubiace.).

- atropurpurea* (Craib) S.M. Chaw in *Kew Bull.*, 43(3): 493 (1988): *Timonius atropurpureus*.

**ANTIRRHINUM** (Scrophulariac.).

- graniticum*  
 subsp. *boissieri* (Rothm.) B. Valdés in *Lagascalía*, 14(1): 91 (1986): *A. boissieri*.  
 subsp. *brachycalyx* D.A. Sutton, *Revis. tribe Antirrhineae*: 83 (1988)—Spain.  
 subsp. *onubensis* (Fernández Casas) B. Valdés in *Lagascalía*, 14(1): 91 (1986): *A. meonanthum* subsp. *onubensis*.  
*hispanicum*  
 subsp. *australe* (Rothm.) B.E. Smythies in *Englera*, 3(3): 500 (1986): *A. australe*.  
 subsp. *graniticum* (Rothm.) B.E. Smythies in *Englera*, 3(3): 500 (1986): *A. graniticum*.  
*meonanthum*  
 subsp. *onubensis* J. Fernández Casas in *Fontqueria*, 2: 27 (1982)—Spain.  
*nuttallianum*  
 subsp. *subsessile* (A. Gray) D.M. Thompson, *Syst. Antirrhinum (Scrophulariac.) New World (Syst. Bot. Monog., 22)*: 95 (1988): *A. subsessile*.  
*onubense* (Fernández Casas) J. Fernández Casas in *Fontqueria*, 15: 39 (1987): *A. meonanthum* subsp. *onubensis*.  
*ternatum* J. Fernández Casas in *Fontqueria*, 2: 27 (1982)—Morocco.  
*vexillo-calyculatum*  
 subsp. *breweri* (A. Gray) D.M. Thompson, *Syst. Antirrhinum (Scrophulariac.) New World (Syst. Bot. Monog., 22)*: 82 (1988): *A. breweri*.  
 subsp. *intermedium* D.M. Thompson, *Syst. Antirrhinum (Scrophulariac.) New World (Syst. Bot. Monog., 22)*: 84 (1988)—U.S.A. (California).

**ANURUS** (Legumin.).

- nissolia*  
 subsp. *futakii* (Chrtková) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983): *Lathyrus nissolia* subsp. *futakii*.  
 subsp. *pubescens* (Beck) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983): *Lathyrus nissolia* a var. *pubescens*.

**AORANTHE** C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 64 (1988). **RUBIACEAE**.

- annulata* (K. Schum.) C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 69 (1988): *Randia annulata*.  
*castaneoofulva* (S. Moore) C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 70 (1988): *Randia castaneoofulva*.  
*cladantha* (K. Schum.) C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 71 (1988): *Randia cladantha*.  
*nalaensis* (De Wild.) C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 72 (1988): *Randia nalaensis*.  
*penduliflora* (K. Schum.) C. Somers in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 74 (1988): *Randia penduliflora*.

**AOTUS** (Legumin.).

- subsp. *pinescens* (Benth.) M.D. Crisp in *Fl. S. Australia*, 2: 658 (1986): *A. villosa* var. *subpinescens*.

**APARGIA** (Compos.).

- pratensis* Hornem., *Hort. Hafn.*: 758 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.

**APHANACTIS** (Compos.).

- macdonaldii* B.L. Turner in *Phytologia*, 68(2): 138 (1990)—Mexico.

**APHANAMIXIS** (Meliac.).

- chittagonga* (Miq.) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*: 204 (1985): *Aglaiia chittagonga*.  
*wallichii* (King) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*: 206 (1985): *Amoora wallichii*.

**APHANOSPERMA** T.F. Daniel in *Amer. J. Bot.*, 75(4): 547 (1988). **ACANTHACEAE**.

- sinaloensis* (Leonard & Gentry) T.F. Daniel in *Amer. J. Bot.*, 75(4): 548 (1988): *Carlowrightia sinaloensis*.

**APHELANDRA** (Acanthac.).

- antioquiensis* D.C. Wasshausen in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 253 (1989)—Colombia.  
*gunnarii* D.C. Wasshausen in *Op. Bot.*, 92: 267 (1987), as 'gunnari'—Ecuador.  
*harlingii* D.C. Wasshausen in *Op. Bot.*, 92: 267 (1987)—Ecuador.  
*lilacina* C. Ezcurra in *Darwiniana*, 27(1–4): 399 (1986)—Argentina.  
*scabra* (Vahl) Sm. in *Rees, Cyclop.*, 39(1): *Aphelandra* n. 3 (1818); cf. D.J. Mabberley in *Taxon*, 32(1): 81 (1983): *Justicia scabra*.  
*tetroleia* D.C. Wasshausen in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 251 (1989)—Colombia.

**APIOS** (Legumin.).

- perennis* Vahl ex Hornem., *Hort. Hafn.*: 682 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.

**APLUDA** (Gramin.).

- aristata*  
 var. *ciliata* (Anderss.) R.K. Jain in *Indian J. Forest.*, 9(4): 345 (1986 publ. 1987): *A. ciliata*.  
 var. *jainii* R.K. Jain in *Indian J. Forest.*, 9(4): 345 (1986 publ. 1987)—India.  
*blatterii* P.R. Sur in *Bull. Bot. Surv. India*, 28(1–4): 193 (1986 publ. 1988)—India.  
*mutica*  
 subsp. *aristata* (L.) R.D. Gaur in *J. Econ. Taxon. Bot.*, 9(1): 59 (1987): *A. aristata*.  
 var. *major* (Hack.) R.K. Jain in *Indian J. Forest.*, 9(4): 347 (1986 publ. 1987): *A. varia* var. *major*.

**APODOLIRION** (Amaryllidac.).

- amyanum* D. Müller-Doblies in *Willdenowia*, 15(2): 466 (1986)—South Africa (Cape Province).  
*cedarbergense* D. Müller-Doblies in *Willdenowia*, 15(2): 466 (1986)—South Africa (Cape Province).

**APODOSTIGMA** (Celastrac.).

- pallens*  
 var. *buchholzii* (Loesener) N. Hallé in *Fl. Gabon*, 29: 197 (1986): *Hippocratea* ? *buchholzii*.  
 var. *dummeri* N. Hallé in *Fl. Gabon*, 29: 196 (1986)—Uganda, Zaire, Cameroun.

**APONOGETON** (Aponogetonac.).

- abyssinicus*  
 var. *albiflorus* K.A. Lye in *Lidia*, 1(2): 73 (1986)—Tanzania, Kenya.  
 var. *cordatus* K.A. Lye in *Lidia*, 1(2): 75 (1986)—Kenya, Somali Republic.  
 var. *glandulifera* K.A. Lye in *Lidia*, 1(2): 77 (1986)—Tanzania.  
 var. *graminifolius* K.A. Lye in *Lidia*, 1(2): 79 (1986)—Tanzania.  
*afroviolaceus*  
 var. *angustifolius* K.A. Lye in *Lidia*, 2(1): 8 (1989)—Kenya.

**×APOROHELIOCEREUS** (Cactac.).

- mallisonii* (Otto & Dietrich) P.V. Heath in *Taxon*, 38(2): 281 (1989): *Cereus mallisonii*.  
*f. smithii* (Pfeiffer) P.V. Heath in *Taxon*, 38(2): 281 (1989): *Cereus smithii*.

**×APOROHELIOCHIA** P.V. Heath in *Epiphytes*, 8(30): 40 (1984). **CACTACEAE**. (*Aporocactus* × *Heliocereus* × *Nopalxochia*).**×APOROPHYLLUM** (Cactac.).

- frieburgensis* (Weingart) P.V. Heath in *Epiphytes*, 8(30): 39 (1984): *Cereus frieburgensis*.

**APOSTASIA** (Orchidac.).

- ramifera* S.C. Chen & K.Y. Lang in *Acta Phytotax. Sin.*, 24(5): 349 (1986)—Hainan.

**APOSTATES** N.S. Lander in *Austral. Syst. Bot.*, 2(1): 129 (1989). **COMPOSITAE**.

- rapae* (F. Brown) N.S. Lander in *Austral. Syst. Bot.*, 2(1): 130 (1989): *Olearia rapae*.

**APPENDICULA** (Orchidac.).

- sect. *Stenodesme* P.J. Kores in *Allertonia*, 5(1): 120 (1989), nom. nov.: *A. sect. Eu-Appendicula Schlechter*.

**APURIMACIA** (Legumin.).

- boliviana* (Britton) M. Lavin in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 64 (1987): *Coursetia boliviana*.

**AQUILARIA** (Thymelaeac.).

- agallochum* (Lour.) Roxb. ex Finlayson, *Mission Siam, Hué*: 94 (1826); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): *Basionym* not stated.  
*banaense* Pham-hoang Ho in *Bull. Mus. Nation. Hist. Nat., B. Adansonica*, Ser. 4, 8(3): 241 (1986)—Vietnam.  
*yunnanensis* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 277 (1985)—China.

**AQUILEGIA** (Ranunculac.).

- sect. *Viridiflorae* N.V. Frizen in *Byull. Mosk. Obshch. Ispyt. Priro., Biol.*, 94(6): 79 (1989).  
*bleicicii* A. Podobnik in *Biosystematika*, 12(1): 16 (1986 publ. 1987)—Yugoslavia.  
*flavescens*  
 var. *rubicunda* (Tidestrom) S.L. Welsh in *Great Basin Nat.*, 46(2): 259 (1986): *A. rubicunda*.  
*formosa*  
 var. *fosteri* S.L. Welsh in *Great Basin Nat.*, 46(2): 259 (1986)—U.S.A. (Utah).  
*ottonis*  
 subsp. *amaliae* (Orph. ex Boiss.) A. Strid in *A. Strid (ed.), Mount. Fl. Greece*, 1: 227 (1986): *A. amaliae*.  
 subsp. *taygetea* (Orph.) A. Strid in *A. Strid (ed.), Mount. Fl. Greece*, 1: 228 (1986): *A. taygetea*.  
*pubiflora*  
 var. *hazarica* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 6 (1987)—Pakistan.  
*vulgaris*  
 subsp. *ballii* (Litard. & Maire) A. Dobignard & D. Jordan in *Saussurea*, 18: 76 (1987): *A. vulgaris* var. *ballii*.

**AQUILEGIA** :-

- subsp. cossoniana* (Maire & Sennen) A. Dobignard & D. Jordan in *Saussurea*, 18: 77 (1987): A. vulgaris var. cossoniana.

**ARABIDOPSIS** (Crucif.).

- drassiana* A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 7(3): 624 (1985 publ. 1986)—India.  
*crysimoides* I.C. Hedge & Kit Tan in *Pl. Syst. Evol.*, 156(3-4): 202 (1987)—Saudi Arabia.  
*lasiocarpa*  
*var. micrantha* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 19 (1988)—China.  
*mollissima*  
*var. glaberrima* (Hook. f. & Th.) A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 7(3): 619 (1985 publ. 1986): *Sisymbrium mollissimum* var. *glaberrima*.  
*pumila*  
*var. foliosa* (Hook. f. & Th.) A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 7(3): 624 (1985 publ. 1986): *Sisymbrium foliosum*.  
*sarbalica* A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 7(3): 621 (1985 publ. 1986)—India.  
*tibetica* A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 7(3): 620 (1985 publ. 1986)—India.  
*tibetica* (Hook. f. & Thoms.) Lan & An ex K.C. Kuan in *Fl. Xizangica*, 2: 372 (1985): *Arabis tibetica*.  
*yadungensis* K.C. Kuan & An in *Fl. Xizangica*, 2: 375 (1985)—Xizang.

**ARABIS** (Crucif.).

- collina*  
*var. balearica* (Porta) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 97 (1990): A. muralis var. *balearica*.  
*subsp. muricola* (Jord.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 97 (1990): A. muricola.  
*conringioides*  
*subsp. humbertii* (Quézel) A. Dobignard & D. Jordan in *Saussurea*, 18: 79 (1987): A. humbertii.  
*vivariensis* S.L. Welsh in *Great Basin Nat.*, 46(2): 263 (1986)—U.S.A. (Utah).

**ARACAMUNIA** G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 76(4): 962 (1989). **ORCHIDACEAE**.

- liesneri* G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 76(4): 962 (1989)—Venezuela.

**ARACHNOTHRYX** (Rubiaceae).

- brenesii* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia brenesii*.  
*buddleioides*  
*var. aspera* (Kirkbr.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia buddleioides* var. *aspera*.  
*chinajensis* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia chinajensis*.  
*cordovana* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia cordovana*.  
*edwardsii* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia edwardsii*.  
*gonzalezoides* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia gonzalezoides*.  
*gracilispica* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia gracilispica*.  
*izabalensis* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia izabalensis*.  
*liebmanii* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia liebmanii*.  
*lundelliana* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia lundelliana*.  
*macrocalyx* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia macrocalyx*.  
*mexiae* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia mexiae*.  
*myriantha* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia myriantha*.  
*nebulosa* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia nebulosa*.

**ARACHNOTHRYX** :-

- oaxacana* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia oaxacana*.  
*phyllocephala* (Standl. & L.O. Wms.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia phyllocephala*.  
*skutchii* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia skutchii*.  
*standleyana* (A. Molina) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 302 (1987): *Rondeletia standleyana*.  
*stenostachya* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 303 (1987): *Rondeletia stenostachya*.  
*tacanensis* (Lundell) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 303 (1987): *Rondeletia tacanensis*.  
*torresii* (Standl.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 303 (1987): *Rondeletia torresii*.  
*vulcanicola* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 303 (1987): *Rondeletia vulcanicola*.  
*zolleriana* (Standl. & Steyererm.) A. Borhidi in *Acta Bot. Hung.*, 33(3-4): 303 (1987): *Rondeletia zolleriana*.

**ARAFOE** M.G. Pimenov & T.V. Lavrova in *Bot. Zhurn.*, 74(1): 102 (1989). **UMBELLIFERAE**.

- aromatica* M.G. Pimenov & T.V. Lavrova in *Bot. Zhurn.*, 74(1): 102 (1989), nom. nov.: *Ligusticum arafoe* Albov.

**ARALIA** (Araliac.).

- bipinnata*  
*var. inermis* (Yanagita) T. Yamazaki in *J. Jap. Bot.*, 62(6): 190 (1987): A. hypoleuca var. *inermis*.  
*elata*  
*f. canescens* (Fr. & Sav.) T. Yamazaki in *J. Jap. Bot.*, 62(6): 190 (1987): A. elata  $\beta$  canescens.  
*guilfoylei* W. Bull. Cat., 83: 4 (1873)—South Sea Is.  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 300 (1784)—Japan.†  
*pentaphylla* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 300 (1784)—Japan.†

**ARAUCARIA** (Araucariac.).

- hunsteinii*  
*var. klinkii* (Lauterb.) J. Silba in *Phytologia*, 68(1): 26 (1990): A. klinkii.

**ARBELAEZASTER** J. Cuatrecasas in *Caldasia*, 15(71-75): 1 (1986). **COMPOSITAE**.

- ellsworthii* (Cuatr.) J. Cuatrecasas in *Caldasia*, 15(71-75): 2 (1986): *Senecio ellsworthii*.

**ARBUTUS** (Ericac.).

- nitida* (Benth.) Jacob-Makoy, *Extr. Cat. Prix Cour.* 1842: 8 (1842); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985): *Basionym* not stated.  
*tessellata* P.D. Sørensen in *Brittonia*, 39(2): 263 (1987)—Mexico.

**ARCEUTHOBIUM** (Visc.).

- durangense* (Hawksworth & Wiens) F.G. Hawksworth & D. Wiens in *Phytologia*, 66(1): 7 (1989): A. *vaginatum* subsp. *durangense*.  
*nigrum* (Hawksworth & Wiens) F.G. Hawksworth & D. Wiens in *Phytologia*, 66(1): 9 (1989): A. *gillii* subsp. *nigrum*.  
*oaxacanum* F.G. Hawksworth & D. Wiens in *Phytologia*, 66(1): 7 (1989)—Mexico.  
*yecorensis* F.G. Hawksworth & D. Wiens in *Phytologia*, 66(1): 6 (1989)—Mexico.

**ARCHIATRIPLEX** G.L. Chu in *J. Arnold Arbor.*, 68(4): 461 (1987). **CHENOPODIACEAE**.

- nanpinensis* G.L. Chu in *J. Arnold Arbor.*, 68(4): 462 (1987)—China.

**ARCHIBACCHARIS** (Compos.).

- albescens* (J.D. Jackson) G.L. Nesom in *Phytologia*, 65(2): 124 (1988): A. *hirtella* var. *albescens*.  
*auriculata* (Hemsley) G.L. Nesom in *Phytologia*, 65(2): 123 (1988): *Pluchea auriculata*.  
*macdonaldii* G.L. Nesom in *Phytologia*, 68(2): 122 (1990)—Mexico.  
*nephocephala* G.L. Nesom in *Phytologia*, 68(2): 123 (1990)—Mexico.  
*nicaraguensis* G.L. Nesom in *Phytologia*, 65(2): 158 (1988)—Nicaragua.

**ARCHIBACCHARIS** :-

- taeniotricha* (S.F. Blake) G.L. Nesom in *Phytologia*, 65(2): 125 (1988): *Archibaccharis hirtella* var. *taeniotricha*.  
*venturana* G.L. Nesom in *Phytologia*, 67(5): 377 (1989)—Mexico.  
*veracruzana* G.L. Nesom in *Phytologia*, 65(2): 127 (1988)—Mexico.

**ARCHINEOTTIA** (Orchidac.).

- japonica* M. Furuse in *Acta Phytotax. Sin.*, 26(1): 69 (1988)—Japan.

**ARCTANTHEMUM** (Compos.).

- arcticum*  
*subsp. kurilense* (Tzvel.) N.N. Tsvelev in *Arktich. Fl. SSSR*, 10: 115 (1987): *Dendranthema kurilense*.  
*subsp. polare* (Hult.) N.N. Tsvelev in *Arktich. Fl. SSSR*, 10: 116 (1987): *Chrysanthemum arcticum* subsp. *polare*.

**ARCTOSTAPHYLOS** (Ericac.).

- bakeri*  
*subsp. sublaevis* P.V. Wells in *Four Seasons*, 8(2): 63 (1988)—U.S.A. (California).  
*canescens*  
*f. candidissima* (Eastw.) P.V. Wells in *Madroño*, 35(4): 332 (1988 publ. 1989): A. *candidissima*.  
*subsp. sonomensis* (Eastw.) P.V. Wells in *Madroño*, 35(4): 333 (1988 publ. 1989): A. *sonomensis*.  
*columbiana*  
*f. setosissima* (Eastw.) P.V. Wells in *Madroño*, 35(4): 333 (1988 publ. 1989): A. *setosissima*.  
*f. tracyi* (Eastw.) P.V. Wells in *Madroño*, 35(4): 334 (1988 publ. 1989): A. *tracyi*.  
*edmundsii*  
*f. parvifolia* (Roof) P.V. Wells in *Madroño*, 35(4): 334 (1988 publ. 1989): A. *edmundsii* var. *parvifolia*.  
*glandulosa*  
*f. adamsii* (Munz) P.V. Wells in *Four Seasons*, 7(4): 18 (1987): A. *glandulosa* var. *adamsii*.  
*f. glaucoides* P.V. Wells in *Four Seasons*, 7(4): 17 (1987)—U.S.A. (California).  
*subsp. glaucomollis* P.V. Wells in *Four Seasons*, 7(4): 21 (1987)—U.S.A. (California).  
*f. howellii* (Eastwood) P.V. Wells in *Four Seasons*, 7(4): 17 (1987), without basionym ref.: *Basionym* not stated.  
*f. wieriana* P.V. Wells in *Four Seasons*, 7(4): 19 (1987)—Mexico, U.S.A. (California).  
*f. zacacensis* (Eastwood) P.V. Wells in *Four Seasons*, 7(4): 16 (1987), without basionym ref.: *Basionym* not stated.  
*glaucia*  
*f. eremicola* (Jeps.) P.V. Wells in *Madroño*, 35(4): 334 (1988 publ. 1989): A. *glaucia* var. *eremicola*.  
*f. puberula* (J.T. Howell) P.V. Wells in *Madroño*, 35(4): 334 (1988 publ. 1989): A. *glaucia* var. *puberula*.  
*imbricata*  
*subsp. montaraensis* (Roof) P.V. Wells in *Madroño*, 35(4): 334 (1988 publ. 1989), without exact basionym page: A. *montaraensis*.  
*mendocinoensis* P.V. Wells in *Four Seasons*, 8(3): 30 (1989)—U.S.A. (California).  
*nevadensis*  
*subsp. knightii* (Gankin & Hildreth) P.V. Wells in *Madroño*, 35(4): 335 (1988 publ. 1989): A. *knightii*.  
*patula*  
*f. acutifolia* (Eastw.) P.V. Wells in *Madroño*, 35(4): 337 (1988 publ. 1989): A. *acutifolia*.  
*f. coalescens* (W. Knight) P.V. Wells in *Madroño*, 35(4): 337 (1988 publ. 1989): A. *patula* var. *coalescens*.  
*f. platyphylla* (A. Gray) P.V. Wells in *Madroño*, 35(4): 337 (1988 publ. 1989): A. *pungens* var. *platyphylla*.  
*stanfordiana*  
*f. decumbens* P.V. Wells in *Madroño*, 35(4): 338 (1988 publ. 1989), nom. nov.: A. *stanfordiana* var. *repens* Roof.  
*tomentosa*  
*f. hebeclada* (DC.) P.V. Wells in *Four Seasons*, 7(4): 12 (1987): *Andromeda bracteosa*  $\beta$  *hebeclada*.

## ARCTOSTAPHYLOS :-

- uva-ursi  
*f. adenotricha* (Fern. & Macbr.) P.V. Wells in *Madroño*, 35(4): 339 (1988 publ. 1989): A. uva-ursi var. *adenotricha*.  
*f. coactilis* (Fern. & Macbr.) P.V. Wells in *Madroño*, 35(4): 339 (1988 publ. 1989): A. uva-ursi var. *coactilis*.  
*f. leobreweri* (Roof) P.V. Wells in *Madroño*, 35(4): 339 (1988 publ. 1989): A. uva-ursi var. *leobreweri*.  
*f. longipilosa* (Packer & Denford) P.V. Wells in *Madroño*, 35(4): 340 (1988 publ. 1989): A. uva-ursi subsp. *longipilosa*.  
*f. marinensis* (Roof) P.V. Wells in *Madroño*, 35(4): 340 (1988 publ. 1989): A. uva-ursi var. *marinensis*.  
*f. stipitata* (Packer & Denford) P.V. Wells in *Madroño*, 35(4): 340 (1988 publ. 1989): A. uva-ursi subsp. *stipitata*.  
*f. suborbiculata* (W. Knight) P.V. Wells in *Madroño*, 35(4): 340 (1988 publ. 1989): A. uva-ursi var. *suborbiculata*.  
*wellsii* W. Knight in *Four Seasons*, 8(3): 12 (1989)—U.S.A. (California).

## ARCUATOPTERUS M.I. Sheh &amp; R.H. Shan in Bull. Bot. Res. North-East. Forest. Inst., 6(4): 11 (1986). UMBELLIFERAE.

- filipedicellus* M.I. Sheh & R.H. Shan in Bull. Bot. Res. North-East. Forest. Inst., 6(4): 12 (1986)—China.  
*linearifolius* M.I. Sheh & R.H. Shan in Bull. Bot. Res. North-East. Forest. Inst., 6(4): 14 (1986)—China.  
*thalictroides* M.I. Sheh & R.H. Shan in Bull. Bot. Res. North-East. Forest. Inst., 6(4): 15 (1986)—China, Xizang.

## ARDISIA (Myrsinac.).

- subgen. Chinensis* (Nakai) Y.P. Yang in *Taiwania*, 34(2): 284 (1989): *Bladhia* sect. *Chinenses*.  
*subsect. Faberi* Y.P. Yang in *Taiwania*, 34(2): 218 (1989).  
*subsect. Fimbriata* Y.P. Yang in *Taiwania*, 34(2): 233 (1989).  
*subsect. Gigantifolia* Y.P. Yang in *Taiwania*, 34(2): 236 (1989).  
*sect. Odontophylla* Y.P. Yang in *Taiwania*, 34(2): 232 (1989).  
*alajuelae* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 62 (1986): *Isacorea alajuelae*.  
*albipedicellata* C.L. Lundell in *Phytologia*, 61(1): 62 (1986), nom. nov.: *Isacorea parvifolia* Lundell.  
*albispala* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 62 (1986): *Auriculardisia albispala*.  
*argenticaulis* Y.P. Yang in *Taiwania*, 34(2): 287 (1989)—China.  
*artemata* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 290 (1989)—Borneo (Sabah).  
*azaharensis* C.L. Lundell in *Phytologia*, 61(1): 62 (1986), nom. nov.: *Auriculardisia microcalyx* Lundell.  
*balansana* Y.P. Yang in *Taiwania*, 34(2): 245 (1989)—China, Vietnam.  
*bekomiensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 62 (1986): *Isacorea bekomiensis*.  
*brassii* H. Sleumer in *Blumea*, 33(1): 130 (1988)—New Guinea (W. Irian).  
*bristanii* C.L. Lundell in *Phytologia*, 61(1): 62 (1986), nom. nov.: *Auriculardisia parviflora* Lundell.  
*cameronensis* Y.P. Yang in *Taiwania*, 34(2): 258 (1989), without latin descr.—Malaya.  
*canariensis* Hort. Cels. ex Fée, *Cat. Méth. Pl. Jard. Bot. Strasb.*: 43 (1836); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.  
*caudiferoides* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 280 (1989)—Borneo (Sarawak).  
*chiriquiana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 62 (1986): *Auriculardisia chiriquiana*.  
*coibana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 63 (1986): *Graphardisia coibana*.  
*contrerasii* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Gentlea crenulata* Lundell.  
*crasse-ovata* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 272 (1989)—Borneo (Sabah).  
*crenata*  
*f. xanthocarpa* (Nakai) H. Ohashi in *J. Jap. Bot.*, 63(5): 190 (1988): *Bladhia lentiginosa* f. *xanthocarpa*.

## ARDISIA :-

- crispa*  
*f. leucocarpa* (Nakai) H. Ohashi in *J. Jap. Bot.*, 63(5): 191 (1988): *Bladhia crispa* f. *leucocarpa*.  
*f. xanthocarpa* (Nakai) H. Ohashi in *J. Jap. Bot.*, 63(5): 191 (1988): *Bladhia crispa* f. *xanthocarpa*.  
*cuneifolia* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 63 (1986): *Gentlea cuneifolia*.  
*curvistyla* Y.P. Yang in *Taiwania*, 34(2): 242 (1989)—Thailand.  
*dawnensis* M.P. Nayar & G.S. Giri in *Bull. Bot. Surv. India*, 27(1-4): 222 (1985 publ. 1987)—Burma.  
*dressleri* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Auriculardisia roseiflora* Lundell.  
*dryeri* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Auriculardisia micrantha* Lundell.  
*ebingeri* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Graphardisia purpurea* Lundell.  
*eciliata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 63 (1986): *Zunilia eciliata*.  
*elliptifolia* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Amatlanella elliptica* Lundell.  
*esquipulasana* C.L. Lundell in *Phytologia*, 61(1): 63 (1986), nom. nov.: *Graphardisia nicaraguensis* Lundell.  
*eucalyptifolia* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 297 (1989)—Borneo (Sarawak, Kalimantan).  
*eucuneata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 63 (1986): *Auriculardisia eucuneata*.  
*eurubiginosa* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 63 (1986): *Auriculardisia eurubiginosa*.  
*feniana* C.L. Lundell in *Phytologia*, 61(1): 64 (1986), nom. nov.: *Zunilia purpusii* Lundell.  
*guanacastensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 64 (1986): *Isacorea guanacastensis*.  
*guinealensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 64 (1986): *Isacorea guinealensis*.  
*heterotricha* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 64 (1986): *Auriculardisia heterotricha*.  
*hirsutissima* C.L. Lundell in *Phytologia*, 61(1): 64 (1986)—Panama.  
*hokouensis* Y.P. Yang in *Bot. Bull. Acad. Sin.*, n.s., 30(4): 297 (1989), nom. nov.: *A. crassipes* Wu & Chen.  
*hornitoana* C.L. Lundell in *Phytologia*, 61(1): 64 (1986), nom. nov.: *Isacorea reflexa* Lundell.  
*hugonensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 64 (1986): *Auriculardisia hugonensis*.  
*intibucana* C.L. Lundell in *Phytologia*, 61(1): 65 (1986), nom. nov.: *Gentlea lancifolia* Lundell.  
*ixcanensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Isacorea ixcanensis*.  
*jaliscensis* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Isacorea jaliscensis*.  
*jitololana* C.L. Lundell in *Phytologia*, 61(1): 65 (1986), nom. nov.: *Gentlea tenuis* Lundell.  
*kainantensis* H. Sleumer in *Blumea*, 33(1): 128 (1988)—New Guinea (Papua New Guinea).  
*knappii* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Auriculardisia knappii*.  
*kostermansii* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 273 (1989)—Borneo (Kalimantan).  
*latispala* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Auriculardisia latispala*.  
*lauterbachii* H. Sleumer in *Blumea*, 33(1): 120 (1988), nom. nov.: *A. melanosticta* Laut. & K. Schum.  
*leptopoda* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Auriculardisia leptopoda*.  
*lingula* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 298 (1989)—Borneo (Sarawak).  
*lustrata* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 298 (1989)—Borneo (Sarawak).  
*merjimah* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 277 (1989)—Borneo (Sarawak).  
*molinae* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Gentlea molinae*.  
*montana*  
*var. selangorensis* B.C. Stone in *Tree Fl. Malaya*, 4: 274 (1989)—Malaya.  
*monteverdeana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Isacorea monteverdeana*.  
*moraviana* (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): *Auriculardisia moraviana*.  
*morazanensis* C.L. Lundell in *Phytologia*, 61(1): 65 (1986), nom. nov.: *Gentlea maculata* Lundell.

## ARDISIA :-

- morobeensis* H. Sleumer in *Blumea*, 33(1): 118 (1988)—New Guinea (Papua New Guinea).  
*murphyae* (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): *Graphardisia murphyae*.  
*nebulosa* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 65 (1986): *Auriculardisia nebulosa*.  
*neohyalina* C.L. Lundell in *Phytologia*, 61(1): 65 (1986), nom. nov.: *Graphardisia hyalina* Lundell.  
*neomirandae* C.L. Lundell in *Phytologia*, 61(1): 66 (1986), nom. nov.: *Zunilia mirandae* Lundell.  
*oaxacana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Isacorea oaxacana*.  
*obtusata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Graphardisia obtusata*.  
*parviauriculata* C.L. Lundell in *Phytologia*, 61(1): 66 (1986), nom. nov.: *Gentlea auriculata* Lundell.  
*parvidenticulata* C.L. Lundell in *Phytologia*, 61(1): 66 (1986), nom. nov.: *Isacorea denticulata* Lundell.  
*parvipunctata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Isacorea parvipunctata*.  
*parvissima* C.L. Lundell in *Phytologia*, 61(1): 66 (1986), nom. nov.: *Gentlea parviflora* Lundell.  
*pentaglossa* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 281 (1989)—Borneo (Sarawak).  
*pingbienensis* Y.P. Yang in *Taiwania*, 34(2): 270 (1989), nom. nov.: *A. longipedunculata* C.Y. Wu & C. Chen.  
*podadenia* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 300 (1989)—Borneo (Sabah).  
*quadrata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Auriculardisia quadrata*.  
*racemibunda* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 295 (1989)—Borneo (Sarawak, Sabah).  
*riomonteana* C.L. Lundell in *Phytologia*, 61(1): 66 (1986), nom. nov.: *Graphardisia oxyphylla* Lundell.  
*ruthiae* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 302 (1989)—Borneo (Sarawak).  
*samalana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Isacorea samalana*.  
*sarapiquiensis* (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): *Auriculardisia sarapiquiensis*.  
*seranoana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Graphardisia seranoana*.  
*sicula* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 279 (1989)—Borneo (Sarawak).  
*sieboldii*  
*f. nigrocarpa* (Tuyama ex Nakai) H. Ohashi in *J. Jap. Bot.*, 63(5): 191 (1988): *Bladhia sieboldii* f. *nigrocarpa*.  
*f. rubricarpa* (Tuyama ex Nakai) H. Ohashi in *J. Jap. Bot.*, 63(5): 191 (1988): *Bladhia sieboldii* f. *rubricarpa*.  
*sigillata* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 303 (1989)—Borneo (Sabah).  
*sordida* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 66 (1986): *Auriculardisia sordida*.  
*spatulata* (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): *Auriculardisia spatulata*.  
*squamata* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 67 (1986): *Auriculardisia squamata*.  
*standleyi* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 67 (1986): *Gentlea standleyi*.  
*steinii* C.L. Lundell in *Phytologia*, 61(1): 67 (1986), nom. nov.: *Auriculardisia baruana* Lundell.  
*stevensii* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 67 (1986): *Gentlea stensii*.  
*synneura*  
*var. cataractorum* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 290 (1989)—Borneo (Sarawak).  
*tarariae* C.L. Lundell in *Phytologia*, 61(1): 67 (1986)—Costa Rica.  
*toroana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 67 (1986): *Auriculardisia toroana*.  
*triangula* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 67 (1986): *Isacorea triangula*.  
*trichogyne* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 283 (1989)—Borneo (Sabah).  
*trichomata* (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): *Auriculardisia trichomata*.  
*ustupoana* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 68 (1986): *Graphardisia ustupoana*.  
*utleyi* (Lundell) C.L. Lundell in *Phytologia*, 61(1): 68 (1986): *Isacorea utleyi*.

**ARDISIA** :-

- walkerii Y.P. Yang in *Taiwania*, 34(2): 229 (1989), nom. nov., as 'walkerii': A. japonica var. montana Miq.  
 warneri C.L. Lundell in *Phytologia*, 61(1): 68 (1986), nom. nov.: Icacorea brevipes Lundell.  
 wendtii (Lundell) C.L. Lundell in *Phytologia*, 61(1): 68 (1986): Ibarraea wendtii.  
 wilburiana (Lundell) C.L. Lundell in *Phytologia*, 63(6): 463 (1987): Auriculardisia wilburiana.  
 zarceroana C.L. Lundell in *Phytologia*, 61(1): 68 (1986), nom. nov.: Auriculardisia sessilifolia Lundell.

**ARECA** (Palmae).

- gracilis F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5(2): 310, 311 (1826); cf. D.J. Mabberley in *Taxon*, 26(5-6): 527 (1977)—India.  
 laxa F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5(2): 309 (1826); cf. D.J. Mabberley in *Taxon*, 26(5-6): 527 (1977)—Andaman Is.†  
 passalacuae C.S. Kunth in *Ann. Sci. Nat. Paris*, 8: 420 (1826)—Egypt (in ancient tombs).  
 pumila C.L. Blume, *Rumphia*, 2: 71, t. 99, 102 (1839)—Java.

**ARENARIA** (Caryophyllac.).

- sect. Parviflorae J. McNeill in *Fl. Iran.*, 163: 9 (1988).  
 aggregata  
   subsp. pseudoarmeriastrum (Rouy) G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 356 (1985 publ. 1986): A. pseudoarmeriastrum.  
 angustifolioides Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 96 (1987)—Turkey.  
 arcuatociliata G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 353 (1985 publ. 1986)—Spain.  
 cariensis A. Carlström in *Willdenowia*, 15(2): 371 (1986)—Turkey.  
 commagenae T. Çelebioğlu & C. Favarger in *Candollea*, 44(1): 329 (1989)—Turkey.  
 delaguardiae G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 351 (1985 publ. 1986)—Spain.  
 eliasiana Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 93 (1987)—Turkey.  
 favargeri (Nieto Feliner) G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 358 (1985 publ. 1986): A. aggregata subsp. favargeri.  
 fendleri  
   var. aculeata (Wats.) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): A. aculeata.  
   var. eastwoodiae (Rydb.) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): A. eastwoodiae.  
 filicaulis  
   subsp. teddii (Turrill) A. Strid in A. Strid (ed.), *Mount. Fl. Greece*, 1: 86 (1986): A. teddii.  
 globuliflora K.H. Rechinger in *Fl. Iran.*, 163: 27 (1988)—Afghanistan.  
 gothica  
   var. fugax (Gay ex Gren.) M.B. Wyse Jackson & J.A.N. Parnell in *Watsonia*, 16(4): 382 (1987): A. ciliata β fugax.  
   subsp. moehringioides (J. Murr.) M.B. Wyse Jackson & J.A.N. Parnell in *Watsonia*, 16(4): 382 (1987): A. moehringioides.

**grandiflora**

- subsp. glabrescens (Willk.) G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 351 (1985 publ. 1986): A. incrassata var. glabrescens.  
 griffithii  
   var. multiflora (Gilli) K.H. Rechinger in *Fl. Iran.*, 163: 23 (1988): A. multiflora.

**ledebouriana**

- var. grandiflora P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 318 (1987)—Turkey.  
 leptocladus

- subsp. viscidula (Rouy & Fouc.) F. Dvořák in *Biología, A (Czechoslovakia)*, 39(9): 835 (1984): A. serpyllifolia β. viscidula.

**modesta**

- subsp. tenuis (Gay) G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 359 (1985 publ. 1986): A. tenuis.  
 mons-cragus Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 94 (1987)—Turkey.

**ARENARIA** :-

- oscensis (Pau) G. López González & G. Nieto Feliner in *An. Jard. Bot. Madrid*, 42(2): 357 (1985 publ. 1986): A. aggregata var. oscensis.  
 redowskii  
   subsp. ajanensis V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Priro., Biol.*, 91(3): 109 (1986)—U.S.S.R. (Soviet Far East).  
   subsp. baburini V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Priro., Biol.*, 91(3): 108 (1986)—U.S.S.R. (Soviet Far East).  
 serpyllifolia  
   subsp. aegaea (Rech. f.) J.R. Akeroyd in *Bot. J. Linn. Soc.*, 97(4): 337 (1988): A. aegaea.  
 sivasica Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 94 (1987)—Turkey.  
 souliei A.M. Romo in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 22: 79 (1986-87 publ. 1988), nom. nov.: A. hispida var. hispanica Coste & Soulié.  
 surculosa K.H. Rechinger in *Fl. Iran.*, 163: 24 (1988)—Afghanistan.  
 tetraquetra  
   subsp. murcica (Font Quer) C. Favarger & G. Nieto Feliner in *Bot. J. Linn. Soc.*, 97(1): 3 (1988): A. aggregata var. murcica.

**ARENGA** (Palmae).

- longicarpa C.F. Wei in *Acta Bot. Austro Sinica*, 4: 7 (1989)—China.  
 micrantha C.F. Wei in *Acta Phytotax. Sin.*, 26(5): 404 (1988)—Xizang.

**ARGOCOFFEOPSIS** (Rubiace.).

- eketensis (Wernh.) E. Robbrecht in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 158 (1986): Coffea eketensis.

**ARGOPHYLLUM** (Escalloniace.).

- verae P.I. Forster in *Austrobaileya*, 3(2): 173 (1990)—Australia (Queensland).

**ARGOSTEMMA** (Rubiace.).

- apiculatum B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 21 (1989)—Borneo (Sarawak).  
 brookei B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 38 (1989)—Borneo (Sarawak).  
 burttii B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 22 (1989)—Borneo (Sarawak).  
 calcicolum B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 40 (1989)—Borneo (Sarawak).  
 chaii B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 34 (1989), nom. nov.: A. enerve Ridley (1927).  
 gaharuense B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 26 (1989)—Borneo (Sarawak).  
 gesinkii B. Bremer in *Ann. Missouri Bot. Gard.*, 76(1): 25 (1989)—Borneo (Kalimantan, Sabah, Sarawak).  
 hainanicum H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 46 (1986)—China.  
 parvifolium  
   f. hirsutum (Ridl.) B.C. Stone in *Fed. Mus. J. (Kuala Lumpur)*, 26(1): 135 (1981): A. parvifolium var. hirsutum.  
 yunnanense How ex H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 45 (1986)—China.

**ARGUSIA** (Boraginac.).

- argentea (L.f.) G. Murata in *Acta Phytotax. Geobot.*, 39(4-6): 164 (1988): Tournefortia argentea.

**ARGYREIA** (Convolvulac.).

- baoshanensis S.H. Huang in *Acta Phytotax. Sin.*, 24(1): 19 (1986)—China.  
 osyrensis  
   var. aggregata (Roxb.) K.K.N. Nair in K.K.N. Nair & M.P. Nayar, *Fl. Courtallum*, 2: 241 (1987): Lettsonia aggregata.  
 strigosa  
   subsp. minor (C.B. Clarke) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 383 (1989): Lettsonia setosa var. minor.  
   subsp. obovata (C.B. Clarke) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 383 (1989): Lettsonia setosa var. obovata.

**ARGYROLOBIMUM** (Legumin.).

- zanonii  
   subsp. fallax (Ball) W. Greuter in *Willdenowia*, 15(2): 424 (1986): A. linnaeanum subsp. fallax.  
   subsp. grandiflorum (Boiss. & Reuter) W. Greuter in *Willdenowia*, 15(2): 424 (1986): A. grandiflorum.  
   subsp. stipulaceum (Ball) W. Greuter in *Willdenowia*, 15(2): 424 (1986): A. linnaeanum subsp. stipulaceum.

**ARIOCARPUS** (Cactac.).

- fissuratus  
   var. hintonii W. Stuppy & N.P. Taylor in *Bradleya*, 7: 84 (1989)—Mexico.

**ARISAEMA** (Arac.).

- agasthyanum M. Sivadasan & C. Sathish Kumar in *Aroidiana*, 10(4): 19 (1987)—India.  
 amurense  
   f. violaceum (Engler) Y.S. Kim & S.C. Ko in *Korean J. Pl. Taxon.*, 15(2): 76 (1985): A. amurense var. violaceum.  
 bannaense H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 101 (1988)—China.  
 daochengense P.C. Kao in *Acta Bot. Yunnanica*, 11(3): 309 (1989)—China.  
 ehimense J. Murata & J. Ohno in *J. Jap. Bot.*, 64(11): 348 (1989)—Japan.  
 flavum  
   subsp. abbreviatum (Schott) J. Murata in *J. Jap. Bot.*, 65(3): 71 (1990): A. abbreviatum.  
   subsp. tibeticum J. Murata in *J. Jap. Bot.*, 65(3): 71 (1990)—Xizang, China, Assam, Bhutan.  
 griffithii  
   var. pradhanii (C.E.C. Fischer) U.C. Pradhan in *Himalayan Pl. J.*, 4(9-10): 16 (1986): A. pradhanii.  
 heterocephalum  
   subsp. majus (Serizawa) J. Murata in *Acta Phytotax. Geobot.*, 36(4-6): 137 (1985): A. heterocephalum var. majus.  
 intermedium  
   var. biflagellatum (Hara) U.C. Pradhan, *Himalayan Cobra-Lilies (Arisaema) Bot. & Cult.*: 45 (1990): A. biflagellatum.  
 ishizuchiense  
   var. alpicola S. Serizawa in *J. Jap. Bot.*, 61(1): 25 (1986)—Japan.  
   subsp. brevicollum (Ohashi & J. Murata) S. Serizawa in *J. Jap. Bot.*, 61(1): 25 (1986): A. ishizuchiense var. brevicollum.  
 minus (Serizawa) J. Murata in *Acta Phytotax. Geobot.*, 37(1-3): 37 (1986): A. kishidae var. minus.  
 monophyllum  
   f. akitense (Nakai) H. Ohashi in *J. Jap. Bot.*, 61(6): 172 (1986): A. akitense.  
 mooneyanum M.G. Gilbert & S.J. Mayo in *Kew Bull.*, 41(2): 270 (1986)—Ethiopia.  
 nikoense  
   subsp. australe (M. Hotta) S. Serizawa in *J. Jap. Bot.*, 61(1): 28 (1986): A. nikoense var. australe.  
   var. kaimontanum S. Serizawa in *J. Jap. Bot.*, 61(1): 28 (1986)—Japan.  
 omeiense P.C. Kao in *Acta Bot. Yunnanica*, 11(3): 308 (1989)—China.  
 ovale  
   var. inaense (Serizawa) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(1): 66 (1986): A. robustum var. inaense.  
   var. sadoense (Nakai) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(1): 64 (1986): A. sadoense.  
 peninsulae  
   f. convolutum (Nakai) Y.S. Kim & S.C. Ko in *Korean J. Pl. Taxon.*, 15(2): 80 (1985): A. convolutum.  
 pingbianense H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 99 (1988)—China.  
 polydactylum H. Riedl in *Linz. Biol. Beitr.*, 22(1): 298 (1990)—Ethiopia.  
 sachalinense (Miyabe & Kudo) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(1): 66 (1986): A. amurense var. sachalinense.  
 somalense M.G. Gilbert & S.J. Mayo in *Kew Bull.*, 41(2): 274 (1986)—Somali Republic.  
 taiwanense J. Murata in *J. Jap. Bot.*, 60(12): 353 (1985)—Taiwan.  
   var. brevipedunculatum J. Murata in *J. Jap. Bot.*, 60(12): 356 (1985)—Taiwan.



**ARISAEMA** :-

- ulugurensis M.G. Gilbert & S.J. Mayo in *Fl. Trop. E. Afr., Arac.*: 64 (1985)—Tanzania.  
 undulatifolium  
   *var. limbatum* (F. Maekawa) H. Ohashi in *J. Jap. Bot.*, 61(6): 172 (1986): A. limbatum.  
   *f. limbatum* (F. Maekawa) H. Ohashi in *J. Jap. Bot.*, 61(6): 172 (1986): A. limbatum.  
 verrucosum  
   *var. utile* (Hook. f. ex Schott) U.C. Pradhan, *Himalayan Cobra-Lilies (Arisaema) Bot. & Cult.*: 59 (1990): A. utile.

**ARISARUM** (Arac.).

- simorrhinum  
   *var. clusii* (Schott) S. Talavera in *Lagascalia*, 14(1): 116 (1986): A. clusii.  
   *var. subextertum* (Webb & Berthelot) S. Talavera in *Lagascalia*, 14(1): 115 (1986), without exact basionym date: A. subextertum.

**ARISTEA** (Iridac.).

- angolensis  
   *var. robusta* W. Marais in *Kew Bull.*, 42(4): 932 (1987)—Tanzania.  
 cognata  
   *subsp. abyssinica* (Pax) W. Marais in *Kew Bull.*, 42(4): 932 (1987): A. abyssinica.  
 lukwangulensis W. Marais in *Kew Bull.*, 42(4): 932 (1987)—Tanzania.

**ARISTIDA** (Gramin.).

- alpina L. Liou in *Fl. Xizangica*, 5: 82 (1987)—Xizang.  
 bissei L. Catasús Guerra in *Acta Bot. Cubana*, 24: 4 (1985)—Cuba.  
 brevissima L. Liou in *Fl. Xizangica*, 5: 80 (1987)—Xizang.  
 correlliae P.M. McKenzie, L.E. Urbatsch & G.R. Proctor in *Syst. Bot.*, 15(3): 421 (1990)—Turks & Caicos Is., Bahama Is.  
 dominii B.K. Simon in *Austrobaileya*, 2(3): 281 (1986)—Australia (Queensland, W. Australia, N. Terr.).  
 ferrilateris S.M. Phillips in *Kew Bull.*, 41(4): 1029 (1986)—Yemen, Saudi Arabia, Ethiopia.  
 holathera  
   *var. latifolia* (B. Simon) B.K. Simon in *Austrobaileya*, 2(3): 283 (1986): A. browniana *var. latifolia*.  
 jaucensis L. Catasús Guerra in *Acta Bot. Cubana*, 24: 2 (1985)—Cuba.  
 pendula H.M. Longhi-Wagner in *Bradea*, 5(5): 59 (1988)—Brazil.  
 pinifolia L. Catasús Guerra in *Acta Bot. Cubana*, 24: 3 (1985)—Cuba.  
 purpurescens  
   *var. tenuispica* (Hitchc.) K.W. Allred in *Rhodora*, 88(855): 383 (1986): A. tenuispica.  
   *var. virgata* (Trin.) K.W. Allred in *Rhodora*, 88(855): 383 (1986): A. virgata.  
 sandinensis L. Catasús Guerra in *Acta Bot. Cubana*, 24: 2 (1985)—Cuba.  
 scabrescens L. Liou in *Fl. Xizangica*, 5: 84 (1987)—Xizang.  
 tricornis H. Scholz & P. König in *Willdenowia*, 17(1-2): 111 (1988)—Saudi Arabia, Yemen.  
 tsangpoensis L. Liou in *Fl. Xizangica*, 5: 82 (1987)—Xizang.

**ARISTOCAPSA** J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 84 (1989). **POLYGONACEAE**.  
 insignis (Curran) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 84 (1989): *Chorizanthe insignis*.**ARISTOGEITONIA** (Euphorbiac.).

- lophirifolia A. Radcliffe-Smith in *Kew Bull.*, 43(4): 629 (1988)—Madagascar.  
 perrieri (Leandri) A. Radcliffe-Smith in *Kew Bull.*, 43(4): 627 (1988): *Paragelonium perrieri*.

**ARISTOLOCHIA** (Aristolochiac.).

- subser. Anthocaulicae* F.A. González Garavito in *Fl. Colombia*, 12: 128 (1990).  
*ser. Hexandrae* F.A. González Garavito in *Fl. Colombia*, 12: 78 (1990), without type.  
*subser. Hexandrae* F.A. González Garavito in *Fl. Colombia*, 12: 82 (1990), without type.

**ARISTOLOCHIA** :-

- ser. Hexodon* (Duch.) J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 350 (1989): A. sect. Hexodon.  
*sect. Leptosiphisia* J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 346 (1989).  
*sect. Obliquosiphisia* J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 350 (1989).  
*sect. Odontosiphisia* J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 346 (1989).  
*ser. Thyrsicae* F.A. González Garavito in *Fl. Colombia*, 12: 45 (1990).  
 amara (Aublet) O. Poncy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 344 (1988 publ. 1989): Abuta amara.  
 austrochinensis C.Y. Cheng & J.S. Ma in *Acta Phytotax. Sin.*, 27(4): 293 (1989)—China, Hainan.  
 austroszechuanica Chien & Cheng ex C.Y. Cheng & J.L. Wu in *J. Wuhan Bot. Res.*, 5(3): 221 (1987)—China.  
 baracoensis R. Rankin Rodriguez in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(3): 203 (1989)—Cuba.  
 barbourii K. Barringer in *Brittonia*, 38(2): 128 (1986), as 'barbouri'—Peru.  
 bukuti O. Poncy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 337 (1988 publ. 1989)—French Guiana.  
 cabreræ L.Z. Ahumada in *Folia Bot. Geobot. Correntesiana*, 2: 1 (1989)—Brazil.  
 caulialata C.Y. Wu ex C.Y. Cheng & J.S. Ma in *Acta Phytotax. Sin.*, 27(4): 294 (1989)—China.  
 chuanianensis Z.L. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 39 (1990)—China.  
 cinnabarina C.Y. Cheng & J.L. Wu in *J. Wuhan Bot. Res.*, 5(3): 219 (1987)—China.  
 compressicaulis Z.L. Yang in *J. Wuhan Bot. Res.*, 6(1): 32 (1988), with two types cited—China.  
 cremersii O. Poncy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 339 (1988 publ. 1989)—French Guiana.  
 flava O. Poncy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 341 (1988 publ. 1989)—French Guiana.  
 forrestiana J.S. Ma in *Acta Bot. Yunnanica*, 11(3): 321 (1989)—China.  
 fosteri K. Barringer in *Brittonia*, 38(2): 129 (1986)—Peru.  
 guianensis O. Poncy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 343 (1988 publ. 1989)—French Guiana, Surinam.  
 hockii  
   *subsp. tuberculata* B. Verdcourt in *Fl. Trop. E. Afr., Aristolochiac.*: 7 (1986)—Tanzania.  
 hutchisonii K. Barringer in *Brittonia*, 38(2): 131 (1986)—Peru.  
 impudica J. Ortega Ortiz in *Biotica*, 12(3): 213 (1987)—Mexico.  
 incisiloba C.C.H. Jongkind in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 147 (1990)—Gabon.  
 jinshanensis Z.L. Yang & S.X. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 129 (1987)—China.  
 krisagathra V.V. Sivarajan & A.K. Pradeep in *Pl. Syst. Evol.*, 163(1-2): 31 (1989)—India.  
 kunmingensis C.Y. Cheng & J.S. Ma in *Acta Phytotax. Sin.*, 27(4): 296 (1989)—China.  
 liangshanensis Z.L. Yang in *J. Wuhan Bot. Res.*, 6(1): 30 (1988)—China.  
 neolongifolia J.L. Wu & Z.L. Yang in *J. Wuhan Bot. Res.*, 5(3): 223 (1987)—China.  
 odorata A. Aikman in H. Barham, *Hort. Amer.*: 215, 44 (1794), orth. var. for A. odoratissima L.; cf. D.J. Mabberley in *Taxon*, 30(1): 13 (1981)—Jamaica.  
 pallida  
   *subsp. castellana* E. Nardi in *Webbia*, 42(1): 15 (1988)—Spain.  
 rechingiana Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 101 (1987)—Turkey.  
 rotunda  
   *subsp. reichsteinii* E. Nardi in *Bot. Helvetica*, 97(2): 162 (1987)—Yugoslavia.  
 salweenensis C.Y. Cheng & J.S. Ma in *Acta Phytotax. Sin.*, 27(4): 295 (1989)—China.  
 veracruzana J. Ortega Ortiz in *Biotica*, 12(3): 209 (1987)—Mexico.  
 wardiana J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 348 (1989)—Burma, India.  
 zhongdianensis J.S. Ma in *Acta Phytotax. Sin.*, 27(5): 339 (1989)—China.

**ARMATOCEREUS** (Cactac.).

- brevispinus J.E. Madsen in *Fl. Ecuador*, 35(45): 9 (1989)—Ecuador.

**ARMENIACA** (Rosac.).

- communis Besser, *Cat. Jard. Bot. Krz.*: 12 (1810); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982)—Locality not stated.  
 holosericea  
   *var. xupuensis* T.Z. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 67 (1989)—China.  
 mandshurica  
   *var. glabra* (Nakai) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 31 (1986): *Prunus mandshurica* *var. glabra*.  
   *f. major* T.Z. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 67 (1989)—China.  
 mume  
   *var. cernua* (Franch.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 32 (1986): *Prunus mume* *var. cernua*.  
   *var. pallescens* (Franch.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 32 (1986): *Prunus mume* *var. pallescens*.  
 sibirica  
   *var. multipetala* G.S. Liu & L.B. Zhang in *Acta Phytotax. Sin.*, 27(5): 394 (1989)—China.  
   *var. pleniflora* J.Y. Zhang, T.Z. Li, X.J. Li & Y. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 65 (1989)—China.  
 vulgaris  
   *var. ansu* (Maxim.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 26 (1986): *Prunus armeniaca* *var. ansu*.  
   *var. meixianensis* J.Y. Zhang, T.Z. Li, X.J. Li & Y. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 66 (1989)—China.  
   *var. rushanica* Korsh. ex E.A. Sokolova in *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 166: 54 (1986)—U.S.S.R. (Middle Asia).  
   *var. xiongyueensis* T.Z. Li, J.Y. Zhang, X.J. Li & Y. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 65 (1989)—China.

**ARMERIA** (Plumbaginac.).

- albi (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 333 (1987): A. maritima *var. albi*.  
 arenaria  
   *subsp. bilbilitana* (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 341 (1987): A. maritima *var. bilbilitana*.  
   *subsp. bupleuroides* (Godron & Gren.) W. Greuter & Burdet in *Willdenowia*, 19(1): 39 (1989): A. bupleuroides.  
   *subsp. confusa* (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 341 (1987): A. maritima *subvar. confusa*.  
   *subsp. praecox* (Jordan) M. Kerguelen in *Lejeunia*, 120: 49 (1987): *Statice praecox*.  
   *subsp. segoviensis* (Gandoger ex Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 340 (1987): A. maritima *var. segoviensis*.  
   *subsp. vestita* (Willk.) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 341 (1987): A. vestita.  
 belgiciensis Donadille ex M. Kerguelen in *Lejeunia*, 120: 49 (1987)—France.  
 bigerrensis  
   *subsp. microcephala* (Willk.) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 343 (1987): A. alpina *var. microcephala*.  
 bourgaei  
   *subsp. lanceobractea* (Lawrence) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 336 (1987): A. lanceobractea.  
   *subsp. willkommiana* (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 336 (1987): A. maritima *var. willkommiana*.  
 castroviejoi G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 330 (1987)—Spain.  
 genesiana G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 332 (1987)—Spain.  
 genesiana  
   *subsp. belmontei* (Pinto da Silva) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 333 (1987): A. langei *subsp. belmontei*.  
 helodes F. Martini & L. Poldini in *Candollea*, 42(2): 537 (1987)—Italy.

**ARMERIA :-**

- linkiana G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 332 (1987), nom. nov.: *A. littoralis Hoffmanns. & Link.*
- malacitana G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 338 (1987), nom. nov.: *A. filicaulis* var. *longifolia Willk.*
- merinoi (Bernis) G. Nieto Feliner & Silva Pando in *An. Jard. Bot. Madrid*, 44(2): 328 (1987): *A. maritima* var. *merinoi*.
- pauana (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 333 (1987): *A. maritima* var. *pauana*.
- quichiotis (González Albo) A.W. Hill, *Index Kewensis*, Supp. 9: 25 (1938): *Statice quichiotis*.
- rothmaleri G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 339 (1987)—Spain.
- salmantica (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 329 (1987): *A. maritima* var. *salmantica*.
- sampaioi (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 328 (1987): *A. maritima* var. *sampaioi*.
- segoviensis  
   subsp. *lacaitae* (Huguet del Villar) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 104 (1986): *Statice lacaitae*.
- villosa  
   subsp. *alcaracensis* G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 337 (1987)—Spain.
- subsp. *bernisi* G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 337 (1987)—Spain.
- subsp. *carratracensis* (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 337 (1987): *A. maritima* subvar. *carratracensis*.
- subsp. *longiaristata* (Boiss. & Reuter) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 336 (1987): *A. longiaristata*.
- subsp. *provillosa* (Bernis) G. Nieto Feliner in *An. Jard. Bot. Madrid*, 44(2): 337 (1987): *A. maritima* var. *provillosa*.

**ARMORACIA (Crucif.).**

- lacustris (A. Gray) I.A. Al-Shehbaz & V. Bates in *J. Arnold Arbor.*, 68(3): 357 (1987): *Nasturtium lacustre*.

**ARNEBIA (Boraginac.).**

- euchroma  
   subsp. *afghanica* F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 151 (1989)—Afghanistan.
- subsp. *andarabica* F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 152 (1989)—Afghanistan.
- guttata  
   subsp. *griffithii* (Boiss.) F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 128 (1989): *A. griffithii*.
- lindbergiana  
   subsp. *paghmanica* F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 132 (1989)—Afghanistan.
- obovata A. Bunge, *Beitr. Fl. Russl.*: 231 (1852)—U.S.S.R. (Middle Asia).†
- purpurea S. Erik & H. Sümbül in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 151 (1986)—Turkey.

**ARNICA (Compos.).**

- ciliata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 768 (1784)—Japan.†
- fennoscandica B.A. Yurtsev & A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 191 (1987), nom. nov.: *A. montana alpina* L.
- frigida  
   subsp. *griscornii* (Fern.) S.R. Downie in *Canad. J. Bot.*, 64(7): 1369 (1986): *A. griscornii*.
- griscornii  
   subsp. *frigida* (Iljin) S.J. Wolf in *Taxon*, 38(1): 142 (1989): *A. frigida*.
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 768 (1784)—Japan.†
- palmata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 768 (1784)—Japan.†

**ARNICASTRUM (Compos.).**

- guerrense J.L. Villaseñor in *Syst. Bot.*, 11(2): 277 (1986)—Mexico.

**ARNOCRINUM (Anthericac.).**

- gracillimum G.J. Keighery in *Fl. Australia*, 45: 466, 246 (1987)—Australia (W. Australia).

**ARRHENATHERUM (Gramin.).**

- elatus  
   f. *bulbosum* (Willdenow) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 486 (1987): *Avena bulbosa*.
- rupestre (Dumort.) B.D. Jackson in *Index Kewensis*, 1: 193 (1753–1885 publ. 1893): *A. avenaceum* \* (subsp.) *rupestre*.
- tuberosum  
   subsp. *baeticum* (Romero Zarco) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 105 (1986): *A. elatus* subsp. *baeticum*.

**ARROJADOA (Cactac.).**

- aureispina  
   var. *anginea* P.J. Braun & E. Esteves Pereira in *Cact. Succ. J. (U.S.A.)*, 60(4): 174 (1988)—Brazil.
- beateae P.J. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 40(10): 254 (1989)—Brazil.
- polyantha (Werdermann) D. Hunt in *Bradleya*, 5: 92 (1987): *Cephalocereus polyanthus*.
- rhodantha  
   subsp. *canudosensis* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 90 (1988): *A. canudosensis*.
- var. *theunisseniana* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 90 (1988): *A. theunisseniana*.

**ARSENJEVIA V.N. Starodubtsev in Bot. Zhurn., 74(9): 1344 (1989). RANUNCULACEAE.**

- baikalensis (Fisch. ex Turcz.) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone baikalensis*.
- flaccida (Fr. Schmidt.) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone flaccida*.
- glabrata (Maxim.) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone baikalensis* var. *glabrata*.
- prattii (Huuth ex Ulbr.) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone prattii*.
- rossii (S. Moore) V.N. Starodubtsev in *Bot. Zhurn.*, 74(9): 1345 (1989): *Anemone rossii*.

**ARTEMISIA (Compos.).**

- ser. *Abrotana* (Bess.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 18 (1988): *A. sect. Abrotanum*.
- subsect. *Abrotanum* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1467 (1988).
- subsect. *Absinthium* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1469 (1988).
- subsect. *Adenophorae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1468 (1988).
- ser. *Anomalae* Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 42 (1988), without latin descr.
- subsect. *Aralocaspicae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 231 (1986).
- subsect. *Argyrotichae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1468 (1988).
- sect. *Boreales* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1469 (1988).
- sect. *Calciphilum* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 217 (1986).
- sect. *Campestres* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1469 (1988), homonym; see Korobkov, *Polyni Severo-Vostoka SSSR*: 112 (1981).
- ser. *Codonocéphalae* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 22 (1988): *A. subsect. Codonocéphalae*.
- subsect. *Europaeae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 229 (1986).
- ser. *Fulgentes* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 36 (1988): *A. subsect. Fulgentes*.
- ect. *Halophilum* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 227 (1986).

**ARTEMISIA :-**

- subsect. *Herbae-albae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 222 (1986).
- subsect. *Heterophyllae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 231 (1986).
- subsect. *Heterophyllae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1468 (1988), homonym; see Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 231 (1986).
- subsect. *Heterotrichae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1468 (1988).
- ser. *Igniariae* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 30 (1988): *A. subsect. Igniariae*.
- subsect. *Junceae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 219 (1986).
- sect. *Juncum* Poljak. ex N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 219 (1986).
- subsect. *Kazachstanicae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 227 (1986).
- subsect. *Knorringtoniae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 236 (1986).
- subsect. *Lehmannianae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 239 (1986).
- sect. *Leucophyton* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 222 (1986).
- ser. *Microcephalae* (Kitam.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 24 (1988): *A. subser. Microcephalae*.
- subsect. *Mongolicae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 234 (1986).
- ser. *Monophyllae* (Kitam.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 32 (1988): *A. subsect. Monophyllae*.
- subsect. *Montanae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 225 (1986).
- ser. *Moorcroftianae* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 32 (1988): *A. subsect. Moorcroftianae*.
- subsect. *Orientalis* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 220 (1986).
- sect. *Paleodracunculae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1469 (1988).
- subsect. *Polyanthae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1468 (1988).
- subsect. *Prasinae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 225 (1986).
- sect. *Psammophilae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1470 (1988).
- sect. *Pycnanthum* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 236 (1986).
- subsect. *Rhodanthae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 236 (1986).
- subsect. *Robustae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 220 (1986).
- sect. *Salsoloides* T.G. Leonova in *Novosti Sist. Vyssh. Rast.*, 25: 144 (1988).
- sect. *Sclerophyllum* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 224 (1986).
- ser. *Selengenses* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 35 (1988): *A. subsect. Selengenses*.
- ser. *Serpens* (Kitam.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 34 (1988): *A. subsect. Serpens*.
- ser. *Sieversianae* (Kitam.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 4 (1988): *A. subsect. Sieversianae*.
- sect. *Stenophyllae* Sh. Dariĭmaa in *Bot. Zhurn.*, 73(10): 1469 (1988).
- subsect. *Tauricae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 229 (1986).
- subsect. *Turanicae* N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 224 (1986).
- ser. *Umbrosae* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 21 (1988): *A. subsect. Umbrosae*.
- andersiana D. Podlech in *Fl. Iran.*, 158: 173 (1986)—Afghanistan.
- argyrophylla  
   var. *brevis* (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 7 (1988): *A. brevis*.
- austrorhimalayaensis* Y.R. Ling & H.S. Puri in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 7 (1988), nom. nov.: *A. tenuifolia* Y.R. Ling & H.S. Puri.
- austrorhimalayana* Y.R. Ling & H.S. Puri in *Guihaia*, 8(1): 64 (1988), nom. nov.: *A. tenuifolia* Y.R. Ling & H.S. Puri.



**ARTEMISIA :-**

- blepharolepis A. Bunge, *Beitr. Fl. Russl.*: 164 (1852)—Mongolia.†
- borealis  
var. adamsii (Bess.) T.G. Leonova in *Novosti Sist. Vyssh. Rast.*, 24: 194 (1987): A. borealis β. adamsii.
- var. alluvialis A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 175 (1987)—U.S.S.R. (Soviet Far East).
- var. ammophila A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 174 (1987)—U.S.S.R. (Siberia).
- subsp. richardsoniana (Bess.) A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 178 (1987): A. richardsoniana.
- borealisiamensis Y.R. Ling & C.J. Humphries in *Acta Bot. Austro Sinica*, 4: 33 (1989), as nom. nov., without latin descr. or type—Thailand.
- caerulescens  
subsp. densiflora (Viv.) Gamisans ex M. Kerguelen & J. Lambinon in *Lejeunia*, 120: 51 (1987): A. densiflora.
- subsp. gargantae J. Vallès-Xirau & J.A. Seoane-Camba in *Candollea*, 42(1): 370 (1987)—Spain.
- campestris  
var. caudata (Michaux) B.L. Turner in *Phytologia*, 68(3): 166 (1990): A. caudata.
- capillaris C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 743 (1784)—Japan.†
- chitralensis D. Podlech in *Fl. Iran.*, 158: 198 (1986)—Pakistan, Afghanistan.
- comaiensis Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 3 (1988)—Xizang.
- condensata (Korobk.) A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 76 (1989): A. kruhsiana subsp. condensata.
- czukavinae N.S. Filatova in *Bot. Zhurn.*, 71(11): 1555 (1986)—U.S.S.R. (Middle Asia).
- desertorum  
var. foetida (Jacq. ex DC.) Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 55 (1988): A. foetida.
- dracunculus  
var. pamirica (C. Winkl.) Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 45 (1988): A. pamirica.
- var. qinghaiensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 44 (1988)—China.
- dubia  
var. subdigitata (Mattf.) Y.R. Ling in *Kew Bull.*, 42(2): 445 (1987): A. subdigitata.
- emeiensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 42 (1988), nom. nov.: A. anthriscifolia Chang.
- eranthema A. Bunge, *Beitr. Fl. Russl.*: 163 (1852)—U.S.S.R. (Middle Asia).†
- eriocarpa A. Bunge, *Beitr. Fl. Russl.*: 160 (1852)—U.S.S.R. (Middle Asia).†
- eriopoda  
var. gansuensis Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 7 (1988)—China.
- var. maritima Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 6 (1988)—China.
- var. rotundifolia (Deb.) W. Wang ex X.D. Cui in *Fl. Tsinlingensis*, 1(5): 276 (1985): A. japonica var. rotundifolia.
- var. rotundifolia (Debeaux) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 56 (1988): A. japonica var. rotundifolia.
- var. shanxiensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 7 (1988)—China.
- flaccida  
var. meiguensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 6 (1988)—China.
- freitagii D. Podlech in *Fl. Iran.*, 158: 193 (1986)—Afghanistan.
- ghazniensis D. Podlech in *Fl. Iran.*, 158: 213 (1986)—Afghanistan.
- ghoratisensis D. Podlech in *Fl. Iran.*, 158: 197 (1986)—Afghanistan.
- giraldii  
var. longipedunculata Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 7 (1988)—China.
- glanduligera  
subsp. kotgaiensis D. Podlech in *Fl. Iran.*, 158: 217 (1986)—Afghanistan, Pakistan.

**ARTEMISIA :-**

- gmelinii  
subsp. manshurica (Kitamura) S. Kitamura in *Acta Phytotax. Geobot.*, 40(5-6): 135 (1989): A. sacrorum subsp. manshurica.
- gongshanensis Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 20 (1990)—China.
- grubovii N.S. Filatova in *Bot. Zhurn.*, 71(11): 1550 (1986)—China.
- hippolyti A. Butkov in *Bot. Mater. Gerb. Bot. Inst. Uzbek. Fil. Akad. Nauk SSSR*, 6: 8 (1941)—U.S.S.R. (Middle Asia).
- indica  
var. elegantissima (Pamp.) Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 29 (1988): A. elegantissima.
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 744 (1784)—Japan.†
- japonica  
var. hainanensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 58 (1988)—Hainan.
- jarovoi (Korobk.) A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 66 (1989): A. lagopus subsp. jarovoi.
- jilongensis Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 18 (1990)—Xizang.
- junatovii N.S. Filatova in *Bot. Zhurn.*, 71(11): 1552 (1986)—Xizang.
- kandaharensis D. Podlech in *Fl. Iran.*, 158: 217 (1986)—Afghanistan.
- kermanensis D. Podlech in *Fl. Iran.*, 158: 206 (1986)—Iran.
- korassanica D. Podlech in *Fl. Iran.*, 158: 210 (1986)—Iran, Afghanistan.
- lactiflora  
var. incisa (Pamp.) Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 42 (1988): A. lactiflora f. incisa.
- var. taibaishanensis X.D. Cui in *Fl. Tsinlingensis*, 1(5): 421, 274 (1985)—China.
- latifolia  
var. pilosiuscula (Krasch.) T.G. Leonova in *Novosti Sist. Vyssh. Rast.*, 24: 182 (1987): A. latifolia f. pilosiuscula.
- lehmanniana A. Bunge, *Beitr. Fl. Russl.*: 164 (1852)—U.S.S.R. (Middle Asia).†
- leucophylla  
var. dudensis (Amel'jcz.) A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 145 (1987): A. dudensis.
- lucentica O. de Bolos, Vallès & J. Vigo in *Fontqueria*, 14: 9 (1987), nom. nov.: A. hispanica Lamarck.
- maracandica A. Bunge, *Beitr. Fl. Russl.*: 169 (1852)—U.S.S.R. (Middle Asia).†
- marschalliana  
var. sericophylla (Rupr.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 48 (1988): A. sericophylla.
- var. tschernieviana (Bess.) T.G. Leonova in *Novosti Sist. Vyssh. Rast.*, 24: 191 (1987): A. tschernieviana.
- mendozana  
var. paramilloensis F.A. Roig & J.A. Ambrosetti in *Parodiana*, 5(2): 364 (1989)—Argentina.
- multiflora Trev., *Ind. Sem. Wratislav. App. III*: 1 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—China.
- myriantha  
var. pleiocephala (Pamp.) Y.R. Ling in *Kew Bull.*, 42(2): 446 (1987): A. pleiocephala.
- nuijanensis (Ling & Y.R. Ling) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 26 (1988): A. yunnanensis var. nuijanensis.
- occidentalisinensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 2 (1988), as 'occidentalisinensis'—Xizang.
- var. denticulata Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 3 (1988)—China, Xizang.
- orientalihengduangensis Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 34 (1988), nom. nov.: A. vulgaris Mattf.
- orientalixizangensis Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 19 (1990), as 'orientalixizangensis'—Xizang.
- orientaliyunnanensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 5 (1988)—China.

**ARTEMISIA :-**

- phyllbotrys (Hand.-Mazz.) Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 27 (1988): A. stronglylocephala var. phyllbotrys.
- pubescens  
var. coracina (W. Wang) Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 51 (1988): A. coracina.
- var. gebleriana (Bess.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 51 (1988): A. commutata var. gebleriana.
- quettensis D. Podlech in *Fl. Iran.*, 158: 212 (1986)—Pakistan, Iran.
- robusta (Pamp.) Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 26 (1988): A. stronglylocephala f. robusta.
- sacrorum  
var. incana (Bess.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 13 (1988): A. messerschmidtiana var. incana.
- var. messerschmidtiana (Bess.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 13 (1988): A. messerschmidtiana.
- selenium  
var. integerrima (Komar.) Ling & Y.R. Ling ex X.D. Cui in *Fl. Tsinlingensis*, 1(5): 271 (1985): A. vulgaris var. integerrima.
- var. shansiensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 5 (1988)—China.
- serotina A. Bunge, *Beitr. Fl. Russl.*: 165 (1852)—U.S.S.R. (Middle Asia).†
- sieberi  
subsp. deserticola D. Podlech in *Fl. Iran.*, 158: 205 (1986)—Afghanistan.
- sogdiana A. Bunge, *Beitr. Fl. Russl.*: 167 (1852)—U.S.S.R. (Middle Asia).†
- swatensis D. Podlech in *Fl. Iran.*, 158: 189 (1986)—Pakistan.
- taibaishanensis Y.R. Ling & C.J. Humphries in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 17 (1990)—China.
- tainingensis  
var. nitida (Pamp.) Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 33 (1988): A. moorcroftiana f. nitida.
- tecti-mundi D. Podlech in *Fl. Iran.*, 158: 206 (1986)—Afghanistan, Pakistan.
- thomsoniana (C.B. Clarke) N.S. Filatova in *Novosti Sist. Vyssh. Rast.*, 23: 239 (1986): A. maritima var. thomsoniana.
- tilisii  
subsp. hultenii (Maximova) V.G. Sergienko, *Fl. poluostrova Kanin*: 97 (1986): A. hultenii.
- tridactyla  
var. minima Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 7 (1988)—China.
- tridentata  
var. wyomingensis (Beetle & Young) S.L. Welsh in *Great Basin Nat.*, 43(2): 215 (1983): A. tridentata subsp. wyomingensis.
- waltonii  
var. yushuensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 49 (1988)—China.
- xylorhiza Krasch. ex N.S. Filatova in *Bot. Zhurn.*, 71(11): 1553 (1986)—Mongolia.
- yongii Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 4 (1988)—China, Xizang.
- zayuensis  
var. pienmaensis Ling & Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 6 (1988)—China.
- zhaocongensis G.Y. Chang & M.Y. Liou in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 79 (1987)—China.
- zhongdianensis Y.R. Ling in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 1 (1988)—China.

**ARTHROGROSIS (Gramin.).**

- aristispicula B.K. Simon in *Austrobaileya*, 2(3): 238 (1986)—Australia (Queensland).

**ARTHROCEREUS (Cactac.).**

- itabiricula P.J. Braun in *Kakt. And. Sukk.*, 37(11): 237 (1986)—Brazil.
- melanurus (K. Schumann) L. Diers, P. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 38(12): 314 (1987): *Cereus melanurus*.
- var. estevesii L. Diers & P. Braun in *Kakt. And. Sukk.*, 39(5): 105 (1988)—Brazil.

**ARTHROPHYLLUM** (Araliac.).

kaltenbachii H. Riedl & C. Riedl-Dorn in *Linz. Biol. Beitr.*, 18(2): 374 (1986)—Vanuatu.

**ARTHROPODIUM** (Anthericac.).

dyeri (Domin) N.H. Brittan in *Fl. Australia*, 45: 467 (1987): Chamaescilla dyeri.

**ARTHROPOGON** (Gramin.).

bolivianus T.S. Filgueiras in *Brittonia*, 38(1): 71 (1986)—Bolivia.

**ARTHROSTEMA** (Melastomatac.).

subtriplinervium (Link & Otto) Mart. in *Schrank & Mart., Hort. Reg. Monac.*: 171 (1829); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.

**ARTHROSTYLIDIUM** (Gramin.).

bananense L.J. Catasús Guerra in *Acta Bot. Cubana*, 37: 6 (1987)—Cuba.  
farctum (Aublet) T. Soderstrom & A. Lourteig in *Phytologia*, 64(2): 163 (1987): Arundo farcta.

**ARTOCARPUS** (Morac.).

chama F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5: 331 (1826); fide D.J. Mabberley in *Taxon*, 26(5-6): 529 (1977)—India.  
gongshanensis S.K. Wu ex C.Y. Wu & S.S. Chang in *Acta Bot. Yunnanica*, 11(1): 29 (1989)—China.  
lacucha F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5: 333 (1826); fide D.J. Mabberley in *Taxon*, 26(5-6): 529 (1977)—India.  
macrocarpon Dancer, *Cat. Bot. Gdn. Jamaica*: 1 (1792); cf. D.J. Mabberley in *Taxon*, 30(1): 12 (1981)—Locality not stated.  
nanchuanensis S.S. Chang, S.C. Tan & Z.Y. Liu in *Acta Bot. Yunnanica*, 11(1): 29 (1989)—China.  
nigrifolius C.Y. Wu in *Acta Bot. Yunnanica*, 11(1): 28 (1989)—China.  
pithecoallus C.Y. Wu in *Acta Bot. Yunnanica*, 11(1): 26 (1989)—China.

**ARUM** (Arac.).

subsect. Alpina P. Boyce in *Kew Bull.*, 44(3): 391 (1989).  
subsect. Cretica (Engler) P. Boyce in *Kew Bull.*, 44(3): 392 (1989): A. § Cretica.  
sect. Dioscoridea (Engler) P. Boyce in *Kew Bull.*, 44(3): 390 (1989): A. § Dioscoridea.  
subsect. Hygrophila P. Boyce in *Kew Bull.*, 44(3): 391 (1989).  
subsect. Tenuifila (Engler) P. Boyce in *Kew Bull.*, 44(3): 391 (1989): A. § Tenuifila.  
detrunatum  
var. caudatum (Engler) K. Alpinar & R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 10: 220 (1988): A. conophalloides var. caudatum.  
var. virescens (Stapf) K. Alpinar & R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 10: 220 (1988): A. virescens.  
elongatum  
subsp. alpinariae K. Alpinar & R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 10: 236, 219 (1988)—Turkey.  
italicum  
f. majoricense (L. Chodat) M. Mus, J.J. Pericás & J.A. Rosselló in *Candollea*, 42(1): 397 (1987): A. majoricense.  
subsp. majoricense (L. Chodat) O. de Bolós, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): A. majoricense.  
purpureospathum P.C. Boyce in *Aroideana*, 10(1): 8 (1987)—Crete.  
ternatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 827 (1784)—Japan.†

**ARUNDINARIA** (Gramin.).

basiaurita W.T. Lin & X.B. Ye in *Acta Phytotax. Sin.*, 26(3): 231 (1988)—China.  
chino  
f. angustifolia (Mitf.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 368 (1989): Bambusa angustifolia.  
lanshanensis (Wen) T.H. Wen in *J. Bamboo Res.*, 5(2): 19 (1986): Yushania lanshanensis.

**ARUNDINARIA** :-

longifimbriata (S.Y. Chen) T.H. Wen in *J. Bamboo Res.*, 6(3): 34 (1987), without basionym page: Pleioblastus longifimbriatus.  
multifloscula W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 231 (1988)—China.  
nanningensis Q.H. Dai in *J. Bamboo Res.*, 6(3): 35 (1987)—China.  
pallidiflora (McClure) T.H. Wen in *J. Bamboo Res.*, 5(2): 19 (1986): Indocalamus pallidiflorus.  
projecta W.T. Lin in *Guihaia*, 10(1): 16 (1990)—China.  
pygmaea  
var. disticha (Mitf.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 368 (1989): Bambusa disticha.  
scandens T.R. Soderstrom & R.P. Ellis in *Smithsonian Contrib. Bot.*, 72: 20 (1988)—Sri Lanka.  
schomburgkii Benn. in *Proc. Linn. Soc.*, 1: 51 (3 Mar. 1840); Jardine et al., *Ann. Mag. Nat. Hist.*, 30(1): 15 (1981)—cf. D.J. Mabberley in *Taxon*, Locality not stated.

**ARUNDINELLA** (Gramin.).

hirta  
subsp. riparia (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 488 (1987): A. riparia.

**ARUNDO** (Gramin.).

laxa (Host.) G. Wahlenberg, *Fl. Carpat. Princip.*: 35 (1814 publ. 1815): Calamagrostis laxa.

**ARUNDOCLAYTONIA** G. Davidse & R.P. Ellis in *Ann. Missouri Bot. Gard.*, 74(3): 479 (1987). GRAMINEAE.

dissimilis G. Davidse & R.P. Ellis in *Ann. Missouri Bot. Gard.*, 74(3): 479 (1987)—Brazil.

**ARYTERA** (Sapindac.).

bifoliolata S.T. Reynolds in *Fl. Australia*, 25: 198, 91 (1985)—Australia (Queensland, N. Terr.).  
dictyoneura S.T. Reynolds in *Fl. Australia*, 25: 198, 93 (1985)—Australia (Queensland).  
pauciflora S.T. Reynolds in *Fl. Australia*, 25: 198, 91 (1985)—Australia (Queensland).

**ASARUM** (Aristolochiac.).

bashanense Z.L. Yang in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 50 (1985)—China.  
caulescens  
f. geroensis J. Ohara in *J. Phytogeogr. Taxon.*, 33(2): 72 (1985)—Japan.  
celsum F. Maek. ex S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 3 (1988)—Ryukyu Is.  
chengkouense Z.L. Yang in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 54 (1985)—China.  
dissitum F. Maek. ex S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 1 (1988)—Ryukyu Is.  
gelasinum S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 1 (1988)—Ryukyu Is.  
gusk S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 5 (1988)—Ryukyu Is.  
hatsushimae F. Maek. ex S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 3 (1988)—Ryukyu Is.  
hexalobum  
var. controversum S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 37(2): 71 (1989)—Japan.  
hongkongense S.M. Hwang & T.P. Wong Siu in *Acta Phytotax. Sin.*, 28(5): 406 (1990)—Hong Kong.  
monodoriflorum S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 37(2): 72 (1989)—Ryukyu Is.  
nobilissimum Z.L. Yang in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 56 (1985), as 'nobilissimum'—China.  
pellucidum S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 5 (1988)—Ryukyu Is.  
simile S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 3 (1988)—Japan.  
splendens (Maekawa) C.Y. Cheng & C.S. Yang in *Fl. Reipubl. Popul. Sin.*, 24: 180 (1988): Heterotropia splendens.  
subglobosum F. Maek. ex S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 37(2): 71 (1989)—Japan.  
tokarensis Hatusima ex S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 5 (1988)—Ryukyu Is.

**ASARUM** :-

tongjiangense Z.L. Yang in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 52 (1985)—China.  
trinacriiforme S. Hatusima & E. Yamahata in *J. Phytogeogr. Taxon.*, 36(1): 4 (1988)—Ryukyu Is.  
wulongense Z.L. Yang in *Acta Bot. Yunnanica*, 8(3): 277 (1986)—China.  
yunnanense T. Sugawara, M. Ogisu & C.Y. Cheng in *Acta Phytotax. Geobot.*, 41(1-3): 8 (1990)—China.

**ASCHERSONIODOXA** (Crucif.).

cachensis (Speg.) I.A. Al-Shehbaz in *Syst. Bot.*, 15(3): 392 (1990): Braya cachensis.  
pilosa I.A. Al-Shehbaz in *Syst. Bot.*, 15(3): 390 (1990)—Peru.

**ASCHISTANTHERA** C. Hansen in *Nordic J. Bot.*, 7(6): 653 (1987). MELASTOMATACEAE.

cristanthera C. Hansen in *Nordic J. Bot.*, 7(6): 653 (1987)—Vietnam.

**ASCLEPIAS** (Asclepiadac.).

compressidens (N.E. Br.) A. Nicholas in *Bothalia*, 17(1): 19 (1987): A. navicularis var. compressidens.  
gordon-grayae A. Nicholas in *Bothalia*, 17(1): 17 (1987)—South Africa (Natal).  
oreophila A. Nicholas ex O.M. Hilliard & B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 192 (1986)—South Africa (Natal, Cape Province).  
parasitica Wall. ex Hornem., *Hort. Hafn., Suppl.*: 126 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.  
prolifera Rottler ex W. Anshie, *Materia indica*, 2: 225 (1826); fide D.J. Mabberley in *Taxon*, 26(5-6): 536 (1977)—India.  
sanjuanensis K.D. Heil, J.M. Porter & S.L. Welsh in *Great Basin Nat.*, 49(1): 100 (1989)—U.S.A. (New Mexico).  
xysmalobioides O.M. Hilliard & B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 193 (1986)—South Africa (Natal), Lesotho.

**ASCOCENTRUM** (Orchidac.).

himalaicum (Deb, Sengupta & Malick) E.A. Christenson in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 256 (1987): Saccolabium himalaicum.  
pusillum L.V. Aver'yanov in *Bot. Zhurn.*, 73(1): 104 (1988)—Vietnam.  
rubrum (Lindl.) G. Seidenfaden in *Op. Bot.*, 95: 312 (1988): Saccolabium rubrum.

**ASCOCHILUS** (Orchidac.).

mindanensis (Ames) E.A. Christenson in *Indian Orchid J.*, 1(4): 151 (1985); et in *Selbyana*, 9(1): 167 (1986): Thrixspermum mindanense.

**ASKIDIOSPERMA** (Restionac.).

alboaristatum (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 431 (1985): Chondropetalum alboaristatum.  
andreaeanum (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 431 (1985): Chondropetalum andreaeanum.  
chartaceum (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 431 (1985): Dovea chartacea.  
subsp. alticolum E.E. Esterhuysen in *Bothalia*, 15(3-4): 432 (1985)—South Africa (Cape Province).  
esterhuyseniae (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 432 (1985): Chondropetalum insignae.  
insigne (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 432 (1985): Chondropetalum insignae.  
longiflorum (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 432 (1985): Chondropetalum longiflorum.  
nitidum (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 432 (1985): Dovea nitida.  
paniculatum (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 432 (1985): Dovea paniculata.  
rugosum E.E. Esterhuysen in *Bothalia*, 15(3-4): 432 (1985)—South Africa (Cape Province).

**ASPALATHUS** (Legumin.).

amoena (Dahlg.) R. Dahlgren in *Fl. S. Afr.*, 16(3:6): 357 (1988): A. retroflexa subsp. amoena.  
brevicarpa (Dahlg.) R. Dahlgren in *Fl. S. Afr.*, 16(3:6): 321 (1988): A. divaricata subsp. brevicarpa.

**ASPALATHUS** :-

- congesta (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 397 (1988): A. chortophila subsp. congesta.  
 cordicarpa R. Dahlgren in Fl. S. Afr., 16(3:6): 363 (1988)—South Africa (Cape Province).  
 empetrifolia (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 358 (1988): A. retroflexa subsp. empetrifolia.  
 horizontalis (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 323 (1988): A. divaricata subsp. horizontalis.  
 isolata (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 179 (1988): A. varians subsp. isolata.  
 katbergensis (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 265 (1988): A. simii subsp. katbergensis.  
 keeromsbergensis R. Dahlgren in Fl. S. Afr., 16(3:6): 147 (1988)—South Africa (Cape Province).  
 kougaensis (Garab. ex Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 399 (1988): A. chortophila subsp. kougaensis.  
 lebeckioides R. Dahlgren in Fl. S. Afr., 16(3:6): 85 (1988), nom. nov.: A. linearis subsp. latipetala Dahlg.  
 lotoides  
     subsp. lagopus (Thunb.) R. Dahlgren in Fl. S. Afr., 16(3:6): 27 (1988): Ononis lagopus.  
 petersonii R. Dahlgren in Fl. S. Afr., 16(3:6): 249 (1988), nom. nov.: A. leucophylla subsp. septentrionalis Dahlg.  
 puberula (Eckl. & Zeyh.) R. Dahlgren in Fl. S. Afr., 16(3:6): 173 (1988): A. thymifolia var. (β) puberula.  
 shawii  
     subsp. glabripetala (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 417 (1988): A. joubertiana subsp. glabripetala.  
     subsp. longispica (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 417 (1988): A. joubertiana subsp. longispica.  
 stricticlada (Dahlg.) R. Dahlgren in Fl. S. Afr., 16(3:6): 297 (1988): A. cuspidata subsp. stricticlada.  
 tulbaghensis R. Dahlgren in Fl. S. Afr., 16(3:6): 313 (1988), nom. nov.: A. acuminata subsp. magniflora Dahlg.

**ASPARAGUS** (Asparagac.).

- sect. Aphylli (Iljin) N.V. Vlasova, Spazhi Sibiri: 30 (1989): A. ser. Aphylli.  
 capitatus  
     subsp. gracilis (Royle ex Baker) K. Browicz in Fl. Iran., 165: 175 (1990): A. gracilis.  
 nesiotis  
     subsp. purpuricensis A. Marrero & A. Ramos in Bot. Macaronésica, 18: 20 (1989)—Canary Is.  
 yanjianensis S.C. Chen in Acta Phytotax. Sin., 26(2): 139 (1988)—China.

**ASPASIA** (Orchidac.).

- silvana F. de Barros in Hoehnea, 15: 94 (1988 publ. 1989)—Brazil.

**ASPERULA** (Rubiace.).

- aristata  
     var. pirinica (Stoj. & Acht.) M. Anchev in Fl. Nar. Republ. Bulgariya, 9: 29 (1989): A. pirinica.  
 badachschanica M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 367 (1987)—U.S.S.R. (Middle Asia).  
 botschantzevii M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 366 (1987)—U.S.S.R. (Middle Asia).  
 capillacea (Lange) R. Vilm. ex M. Kerguelen in Lejeunia, 120: 53 (1987): A. cynanchica var. capillacea.  
 ciliatula M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 363 (1987)—U.S.S.R. (Middle Asia).  
 cynanchica  
     subsp. occidentalis (Rouy) C.A. Stace in Watsonia, 17(4): 444 (1989): A. occidentalis.  
 czukavinae M.G. Pakhomova & Karim. in Opred. Rast. Sred. Azii, 9: 365 (1987)—U.S.S.R. (Middle Asia).  
 gypsacea M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 367 (1987)—U.S.S.R. (Middle Asia).  
 insolita M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 366 (1987)—U.S.S.R. (Middle Asia).  
 karategini M.G. Pakhomova & Karim. in Opred. Rast. Sred. Azii, 9: 364 (1987)—U.S.S.R. (Middle Asia).

**ASPERULA** :-

- kovalevskiana M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 365 (1987)—U.S.S.R. (Middle Asia).  
 nuratensis M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 366 (1987)—U.S.S.R. (Middle Asia).  
 oppositifolia  
     var. albidula M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 290 (1987)—U.S.S.R. (Middle Asia).  
     subsp. baltistanica S. Nazimuddin in Fl. Pakistan, 190: 32 (1989)—Pakistan.  
 pseudoglomerata M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 364 (1987)—U.S.S.R. (Middle Asia).  
 purpurea  
     var. luteoviride (Rohl.) M. Anchev in Fl. Nar. Republ. Bulgariya, 9: 41 (1989): Galium purpureum var. luteoviride.  
     var. trichantha (Vand.) M. Anchev in Fl. Nar. Republ. Bulgariya, 9: 41 (1989): Galium purpureum var. trichanthum.  
 strishovae M.G. Pakhomova & Karim. in Opred. Rast. Sred. Azii, 9: 364 (1987)—U.S.S.R. (Middle Asia).  
 syrticola (Miq.) H.R. Toelken in Fl. S. Australia, 2: 1063 (1986): Rubia syrticola.

**ASPHODELINE** (Asphodelac.).

- sect. Appendicigera E. Tuzlaci in Candollea, 42(2): 564 (1987), without type.  
 capillaris (DC.) Endl., Cat. Horti Vindob., 1: 142 (1842); cf. D.J. Mabberley in Taxon, 33(3): 434 (1984): Basionym not stated.  
 cretica (Lam.) Endl., Cat. Horti Vindob., 1: 142 (1842); cf. D.J. Mabberley in Taxon, 33(3): 434 (1984): Basionym not stated.  
 taurica (Pall.) Endl., Cat. Horti Vindob., 1: 142 (1842); cf. D.J. Mabberley in Taxon, 33(3): 434 (1984): Basionym not stated.

**ASPHODELUS** (Asphodelac.).

- fistulosus  
     subsp. nilotica P. Ravenna in Herbertia, 43(1): 40 (1987)—Egypt, Algeria.

**ASPICARPA** (Malpighiac.).

- brevipes (DC.) W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 55 (1987): Banisteria brevipes.  
 harleyi W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 55 (1987)—Brazil.  
 schininii W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 59 (1987), nom. nov.: Camarea lanata Chodat.

**ASPIDISTRA** (Convallariac.).

- acetabuliformis Y. Wan & C.C. Huang in Acta Phytotax. Sin., 25(5): 396 (1987)—China.  
 austrosinensis Y. Wan & C.C. Huang in Guihaia, 7(3): 221 (1987)—China.  
 carinata Y. Wan & X.H. Lu in Bull. Bot. Res. North-East. Forest. Inst., 9(2): 97 (1989)—China.  
 cruciformis Y. Wan & X.H. Lu in Guihaia, 7(3): 217 (1987)—China.  
 cyathiflora Y. Wan & C.C. Huang in Bull. Bot. Res. North-East. Forest. Inst., 9(2): 100 (1989)—China.  
 leyeensis Y. Wan & C.C. Huang in Guihaia, 7(3): 219 (1987)—China.  
 linearifolia Y. Wan & C.C. Huang in Guihaia, 7(3): 220 (1987)—China.  
 longiloba G.Z. Li in Acta Phytotax. Sin., 26(2): 156 (1988)—China.  
 longipetala S.Z. Huang in Guihaia, 6(4): 273 (1986)—China.  
 patentiloba Y. Wan & X.H. Lu in Bull. Bot. Res. North-East. Forest. Inst., 9(2): 99 (1989)—China.  
 subrotata Y. Wan & C.C. Huang in Guihaia, 7(3): 223 (1987)—China.  
 xilinensis Y. Wan & X.H. Lu in Acta Phytotax. Sin., 25(5): 397 (1987)—China.  
 yingjiangensis L.J. Peng in Acta Bot. Yunnanica, 11(2): 173 (1989)—China.

**ASPIDOGLOSSUM** (Asclepiadac.).

- difficile O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh, 45(2): 179 (1988 publ. 1989)—South Africa (Natal).  
 xanthosphaerum O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh, 45(2): 181 (1988 publ. 1989)—South Africa (Natal).

**ASPIDOGYNE** (Orchidac.).

- steyermarkii G. Carnevali & E. Foldats in Ann. Missouri Bot. Gard., 76(2): 596 (1989)—Venezuela.

**ASPIDOPTERYS** Juss. ex S.L. Endlicher, Gen. Pl.: 1060 (April 1840). MALPIGHIACEAE. †

- cordata  
     var. vermae R.C. Srivastava & N.P. Balakrishnan in Bull. Bot. Surv. India, 25(1-4): 228 (1983 publ. 1985)—India.  
 indica (Willd.) W. Theobald in F. Mason, Burmah, ed. 3, 2: 599 (1883); cf. D.J. Mabberley in Taxon, 34(1): 154 (1985): Triopteris indica.

**ASPIDOSTEMON** J.G. Rohwer & H.G. Richter in Bot. Jahrb., 109(1): 71 (1987). LAURACEAE.

- caudatum J.G. Rohwer in Bot. Jahrb., 109(1): 74 (1987)—Madagascar.  
 dolichocarpum (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 74 (1987): Cryptocarya dolichocarpa.  
 glandulosum J.G. Rohwer in Bot. Jahrb., 109(1): 75 (1987)—Madagascar.  
 humbertianum (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 78 (1987): Cryptocarya humbertiana.  
 inconspicuum J.G. Rohwer in Bot. Jahrb., 109(1): 75 (1987)—Madagascar.  
 lacrimans (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 78 (1987): Cryptocarya lacrimans.  
 percoriaceum (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 75 (1987): Cryptocarya percoriacea.  
 perrieri (Danguy) J.G. Rohwer in Bot. Jahrb., 109(1): 74 (1987): Cryptocarya perrieri.  
 scintillans (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 78 (1987): Cryptocarya scintillans.  
 synandra J.G. Rohwer in Bot. Jahrb., 109(1): 78 (1987)—Madagascar.  
 trianthera (Kosterm.) J.G. Rohwer in Bot. Jahrb., 109(1): 75 (1987): Cryptocarya trianthera.

**ASPILIA** (Compos.).

- andrade-limae J.U.M. dos Santos in Bol. Mus. Paraense Emilio Goeldi, Bot., 2(1): 5 (1985)—Brazil.  
 cordifolia J.U.M. dos Santos in Bol. Mus. Paraense Emilio Goeldi, Bot., 3(1): 54, 51 (1987)—Brazil.  
 espinhacensis J.U.M. dos Santos in Bol. Mus. Paraense Emilio Goeldi, Bot., 3(1): 55 (1987)—Brazil.  
 malaissei S. Lisowski in Bull. Jard. Bot. Nation. Belg., 58(3-4): 557 (1988)—Zaire.  
 verticillata J.U.M. dos Santos in Bol. Mus. Paraense Emilio Goeldi, Bot., 2(1): 9 (1985)—Brazil.

**×ASPIODA** hort. in Orchid Rev., 98(1163): centre page pull-out p. 9 (1990). ORCHIDACEAE. (Aspasia × Cochlioda).

**ASPRELLA** (Gramin.).

- major Fres., Sem. Hort. Bot. Franc., 1836; Linnaea 12, Lit.: 77 (1838-9); cf. D.J. Mabberley in Taxon, 32(1): 84 (1983)—Locality not stated.

**ASTELMA** (Compos.).

- modestum (Hook.) Forbes, Hort. Woburn.: 184 (1833); cf. D.J. Mabberley in Taxon, 33(3): 441 (1984): Basionym not stated.

**ASTEPHANUS** (Asclepiadac.).

- furlanii J. Fontella Pereira in Bradea, 4(48): 380 (1987)—Brazil.  
 piranii J. Fontella Pereira in Bradea, 4(48): 381 (1987)—Brazil.  
 semiri J. Fontella Pereira in Bradea, 4(48): 379 (1987)—Brazil.  
 sprucei (Fourn.) J. Fontella Pereira in Bradea, 4(48): 380 (1987): Hemipogon sprucei.

**ASTER** (Compos.).

- subgen. Ascendentes (Rydb.) J.C. Semple in Phytologia, 58(7): 430 (1985), contrary to Art. 34.1(a) ICBN 1983; see W.F. Lamboy in Phytologia, 59(7): 454 (1986): A. sp.-group Ascendentes.  
 ageratoides  
     var. alatopetiolatus (Kitamura) S. Kitamura in Acta Phytotax. Geobot., 41(1-3): 87 (1990): A. ageratoides subsp. alatopetiolatus.

**ASTER :-**

- var. *grossedentatus* (Franchet ex Diels) S. Kitamura in *Acta Phytotax. Geobot.*, 41(1-3): 86 (1990): A. trinervius var. *grossedentatus*.
- var. *oophyllus* Ling ex J.Q. Fu in *Fl. Tsinlingensis*, 1(5): 168 (1985), as 'nom. nov.' but contrary to Art. 33.3, Note 1 (ICBN, 1983)—China.
- var. *potaninii* (Diels) S. Kitamura in *Acta Phytotax. Geobot.*, 41(1-3): 86 (1990): A. trinervius var. *potaninii*.
- alpinus*
- var. *serpentimontanus* (Tamam.) Ling ex J.Q. Fu in *Fl. Tsinlingensis*, 1(5): 172 (1985): A. *serpentimontanus*.
- breweri* (A. Gray) J.C. Semple in *Syst. Bot.*, 13(4): 545 (1988): *Chrysopsis breweri*.
- cordifolius*
- var. *sagittifolius* (Wedem. ex Willd.) A.G. Jones in *Phytologia*, 63(2): 131 (1987): A. *sagittifolius*.
- drummondii*
- var. *parviceps* (Shinners) A.G. Jones in *Phytologia*, 63(2): 131 (1987): A. *texanus* var. *parviceps*.
- var. *texanus* (Burgess) A.G. Jones in *Phytologia*, 63(2): 131 (1987): A. *texanus*.
- falcatus*
- var. *commutatus* (Torrey & Gray) A.G. Jones in *Phytologia*, 63(2): 131 (1987): A. *multiflorus* var. *commutatus*.
- fanjingshanicus* Y.L. Chen & D.J. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 11 (1988)—China.
- hintonii* G.L. Nesom in *Phytologia*, 67(4): 342 (1989)—Mexico.
- hispidus* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 763 (1784)—Japan.†
- jonesiae* W.F. Lamboy in *Syst. Bot.*, 13(2): 192 (1988)—U.S.A. (Georgia, Alabama).
- juchaihu* Z.Y. Zhu & B.Q. Min in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 61 (1990)—China.
- kingii*
- var. *barnebyana* (Welsh & Goodrich) S.L. Welsh in *Great Basin Nat.*, 43(2): 221 (1983): *Machaeranthera kingii* var. *barnebyana*.
- lanceolatus*
- subsp. *hesperius* (Gray) J.C. Semple & J.G. Chmielewski in *Canad. J. Bot.*, 65(5): 1060 (1987): A. *hesperius*.
- var. *hirsuticaulis* J.C. Semple & J.G. Chmielewski in *Canad. J. Bot.*, 65(5): 1058 (1987)—U.S.A. (Michigan).
- var. *interior* (Wiegand) J.C. Semple & J.G. Chmielewski in *Canad. J. Bot.*, 65(5): 1058 (4 June 1987), with incorrect basionym vol. no.: A. *interior*.
- var. *interior* (Wieg.) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *interior*.
- var. *latifolius* J.C. Semple & J.G. Chmielewski in *Canad. J. Bot.*, 65(5): 1060 (1987)—U.S.A. (Pennsylvania).
- var. *simplex* (Willd.) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *simplex*.
- linosyris*
- subsp. *armoricanus* (Rouy) M. Kerguelen in *Lejeunia*, 120: 54 (1987): A. *linosyris* proles *armoricanus*.
- moranensis*
- var. *turneri* S. Sundberg & A.G. Jones in *Bull. Torrey Bot. Club*, 113(2): 176 (1986)—Mexico.
- motuoensis* Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 12 (1988)—Xizang.
- nakaoui* S. Kitamura in *Acta Phytotax. Geobot.*, 41(1-3): 90 (1990)—Bhutan.
- novi-belgii*
- var. *johannensis* (Fern.) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *johannensis*.
- var. *tardiflorus* (L.) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *tardiflorus*.
- occidentalis*
- var. *fremontii* (Torrey & Gray) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *ascendens* var. *fremontii*.
- punicus*
- var. *elliottii* (Torrey & Gray) A.G. Jones in *Phytologia*, 63(2): 132 (1987): A. *elliottii*.
- saxicastellii* J.J.N. Campbell & M.E. Medley in *Sida*, 13(3): 277 (1989)—U.S.A. (Kentucky).
- scaber* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 763 (1784)—Japan.†

**ASTER :-**

- schaffneri* Schultz-Bip. ex S. Sundberg & A.G. Jones in *Bull. Torrey Bot. Club*, 113(2): 173 (1986)—Mexico.
- sedifolius*
- f. *latifolius* (Roch.) P. Boža & O. Vasić in *Fl. SR Srbije*, 10: 199 (1986): A. *punctatus* b. *latifolius*.
- f. *subsquamosus* (Soó) P. Boža & O. Vasić in *Fl. SR Srbije*, 10: 199 (1986): A. *punctatus* f. *subsquamosus*.
- taoyuenensis* S.S. Ying in *J. Jap. Bot.*, 63(2): 49 (1988)—Taiwan.
- ujiinsularis* S. Kitamura in *Acta Phytotax. Geobot.*, 39(1-3): 71 (1988)—Japan.
- yakushimensis* (Kitamura) Soejima & T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 112 (1987): A. *ageratoides* subsp. *yakushimensis*.

**ASTERIDIA (Compos.).**

- athrixoides*
- f. *horripes* (J. Black) D.A. Cooke in *Fl. S. Australia*, 3: 1500 (1986): *Athrixia tenella* var. *horripes*.

**ASTERISCUS (Compos.).**

- aquaticus*
- subsp. *pygmaeus* (DC.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): A. *aquaticus* var. *pygmaeus*.
- cuspidatus* (Pomel) C. Aurich & D. Podlech in *Mitt. Bot. Staatssamml. München*, 28: 280 (1989): *Pallenis cuspidata*.
- subsp. *canescens* (Maire) C. Aurich & D. Podlech in *Mitt. Bot. Staatssamml. München*, 28: 285 (1989): *Pallenis spinosa* var. *canescens*.
- spinus*
- subsp. *asteroideus* (Viv.) C. Aurich & D. Podlech in *Mitt. Bot. Staatssamml. München*, 28: 268 (1989): *Bupthalmum asteroideum*.
- subsp. *aureus* (Willk.) C. Aurich & D. Podlech in *Mitt. Bot. Staatssamml. München*, 28: 271 (1989): A. *spinus* var. *aureus*.
- subsp. *maroccanus* C. Aurich & D. Podlech in *Mitt. Bot. Staatssamml. München*, 28: 275 (1989)—Morocco, Algeria.

**ASTEROGYNE (Palmae).**

- guianensis* J.-J. de Granville & A. Henderson in *Brittonia*, 40(1): 76 (1988)—French Guiana.
- yaracuyense* A. Henderson & J.A. Steyermark in *Brittonia*, 38(4): 309 (1986)—Venezuela.

**ASTEROLASIA (Rutac.).**

- drummondii* Paul G. Wilson in *Nuytsia*, 6(1): 8 (1987), nom. nov.: *Urocarpus phebaloides* J. Drumm. ex Harvey.
- elegans* L. McDougall & M.F. Porteners in *Telopea*, 4(1): 139 (1990)—Australia (New South Wales).
- nivea* (Paul G. Wilson) Paul G. Wilson in *Nuytsia*, 6(1): 8 (1987): *Urocarpus niveus*.

**ASTEROMYRTUS (Myrtac.).**

- angustifolia* (Gaertner) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 377 (1988 publ. 1989): *Melaleuca angustifolia*.
- arnhemica* (Byrnes) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 378 (1988 publ. 1989): *Melaleuca arnhemica*.
- brassii* (Byrnes) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 379 (1988 publ. 1989): *Melaleuca brassii*.
- lysicephala* (F. Muell. & F.M. Bail.) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 380 (1988 publ. 1989): *Melaleuca lysicephala*.
- magnifica* (Specht) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 381 (1988 publ. 1989): *Melaleuca magnifica*.
- symphyocarpa* (F. Muell.) L.A. Craven in *Austral. Syst. Bot.*, 1(4): 383 (1988 publ. 1989): *Melaleuca symphyocarpa*.
- tranganensis* L.A. Craven in *Austral. Syst. Bot.*, 1(4): 384 (1988 publ. 1989)—New Guinea (W. Irian).

**ASTILBE (Saxifragac.).**

- glaberrima*
- var. *saxatilis* (Nakai) H. Ohba in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 86 (1987): A. *glaberrima* lus. *saxatilis*.

**ASTRACANTHA (Legumin.).**

- adanica* (Ivanisvili) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus adanicus*.
- akscheherensis* (Freyn & Bornm.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus akscheherensis*.
- ambigua* (O. Kuntze) W. Greuter & Burdet in *Willdenowia*, 19(1): 30 (1989): *Astragalus ambiguus*.
- argyrothamnus* (Boiss.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus argyrothamnus*.
- arnacantha*
- subsp. *aitosensis* (Ivanisch.) U. Réer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 529 (1986): *Astragalus aitosensis*.
- subsp. *arnacanthoides* (Boriss.) U. Réer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 530 (1986): *Tragacantha arnacanthoides*.
- baytopiana* (Chamberlain & Mathews) W. Greuter & Burdet in *Willdenowia*, 19(1): 30 (1989): *Astragalus baytopianus*.
- coarctata* (Trautv.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus coarctatus*.
- delanensis* (Sirj. & Rech. f.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus delanensis*.
- echinus*
- subsp. *arabica* I.C. Hedge & D. Podlech in *Bot. Jahrb.*, 108(2-3): 260 (1987)—Saudi Arabia.
- elazigensis* (Ekim) W. Greuter & Burdet in *Willdenowia*, 19(1): 30 (1989): *Astragalus elazigensis*.
- eriocephala*
- subsp. *elongata* (Chamberlain & V. Matthews) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus eriocephalus* subsp. *elongatus*.
- griseosericea* (Eig) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus griseosericeus*.
- harefta* (Náb.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus krugianus* var. *hareftae*.
- hasbeyana* (Boiss.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus hasbeyanus*.
- kristii* (Sirj.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus kristii*.
- leiophylla* (Freyn & Bornm.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus leiophyllus*.
- marashica* H. Duman & M. Vural in *Doğa, Turk. J. Bot.*, 14: 40 (1990)—Turkey.
- nebrodensis* (Guss.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus siculus* var. *nebrodensis*.
- ochrochlora* (Boiss. & Hohen.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus ochrochlorus*.
- roseocalycina* (V. Matthews) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus roseocalycinus*.
- rumelica* (Bunge) U. Réer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 542 (1986): *Astragalus rumelicus*.
- subsp. *taygetica* (Sirjaev) U. Réer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 544 (1986): *Astragalus rumelicus* var. *taygeticus*.
- sicula* (Raf.) W. Greuter in *Willdenowia*, 15(2): 425 (1986): *Astragalus siculus*.
- spiciformis* (Eig) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus spiciformis*.
- strictifolia* (Boiss.) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus strictifolius*.
- thracica*
- subsp. *calabrica* (Fischer) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus calabricus*.
- subsp. *cylenea* (Fischer) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus cyleneus*.
- subsp. *jankae* (Degen & Bornm.) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus jankae*.
- subsp. *monachorum* (Sirj.) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus monachorum*.
- subsp. *parnassi* (Boiss.) W. Greuter in *Willdenowia*, 15(2): 426 (1986): *Astragalus parnassi*.
- yueksekovae* (V. Matthews) W. Greuter in *Willdenowia*, 15(2): 427 (1986): *Astragalus yueksekovae*.



## ASTRACANTHA :—

zachlensis

subsp. *zebedaniensis* (Freyen & Bornm.) W. Greuter in *Willdenowia*, 15(2): 427 (1986): *Astragalus zebedaniensis*.

## ASTRAGALUS (Legumin.).

sect. *Alexandri* N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(1): 107 (1990).

sect. *Cercidophaca* D. Podlech & A.R. Maassoumi in *Davis & Hedge Festschrift* (ed. Kit Tan): 72 (1989).

subsect. *Erionotus* (Bunge) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 549 (1988): A. sect. *Erionotus*.

subsect. *Gontscharoviella* (Kamelin) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 515 (1988): A. sect. *Gontscharoviella*.

sect. *Monadelphia* K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 1(2): 15 (1981).

sect. *Parvistipula* K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 1(2): 15 (1981).

sect. *Plagiophaca* A.A. Ramak Maassoumi & D. Podlech in *Iranian J. Bot.*, 4(1): 83 (1988).

sect. *Pseuderioceras* N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 79 (1990).

subsect. *Purpurascens* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 610 (1988).

abruptus L.I. Kritskaya in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 130 (1977 publ. 1978)—U.S.S.R. (Ukraine).

absentivus A.A. Ramak Maassoumi in *Iranian J. Bot.*, 4(1): 128 (1988)—Iran.

adulterinus D. Podlech in *Mitt. Bot. Staatssamml. München*, 27: 52 (1988)—Iran.

aharicus A.A.R. Maassoumi & D. Podlech in *Iranian J. Bot.*, 3(2): 96 (1987)—Iran.

aksaricus N.V. Pavlov in *Vestn. Akad. Nauk Kazakh. SSR*, 1: 30 (1949)—U.S.S.R. (Middle Asia).

albertshoferi D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 211 (1988)—Turkey.

alexandri N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(1): 107 (1990)—Mongolia.

alienus D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 221 (1988)—Iran.

ammodendron A. Bunge in *Arb. Naturf. Ver. Riga*, 1: 233 (1847)—U.S.S.R. (Middle Asia).†

amphioxys

var. *musimonum* (Barneby) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 138 (1989): A. *musimonum*.

anisacanthus

subsp. *schurabicus* (Bunge) S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 244 (1988): A. *schurabicus*.

anserinus N.D. Atwood, S. Goodrich & S.L. Welsh in *Great Basin Nat.*, 44(2): 263 (1984)—U.S.A. (Utah, Nevada).

archibaldii D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 208 (1988)—Iran.

aridicola P.C. Li in *Acta Bot. Yunnanica*, 11(3): 295 (1989)—China, Xizang.

aridicolus D.I. Sosnovskii in *Trudy Tbilis. Bot. Inst.*, 12: 238 (1948)—U.S.S.R. (Caucasus).

aridovallicola P.C. Li in *Acta Bot. Yunnanica*, 11(3): 299 (1989)—China.

armatus

subsp. *numidicus* (Murb.) S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 251 (1988): A. *numidicus*.

artemisiformis M.R. Rasulovala in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(75): 96 (1979)—U.S.S.R. (Middle Asia).

aspreticola D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 769 (1988)—Iran.

assadii A.A.R. Maassoumi & D. Podlech in *Iranian J. Bot.*, 3(2): 98 (1987)—Iran.

asterias

subsp. *aristidis* (Batt.) W. Greuter in *Willdenowia*, 15(2): 427 (1986): A. *cruciatus* subsp. *aristidis*.

subsp. *astraboides* (Pomel) W. Greuter in *Willdenowia*, 15(2): 427 (1986): A. *astraboides*.

subsp. *polyactinus* (Boiss.) W. Greuter in *Willdenowia*, 15(2): 427 (1986): A. *polyactinus*.

subsp. *radiatus* (Batt.) W. Greuter in *Willdenowia*, 15(2): 427 (1986): A. *cruciatus* subsp. *radiatus*.

## ASTRAGALUS :—

*atraxifolius* M.R. Rasulovala in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(76): 108 (1979)—U.S.S.R. (Middle Asia).

*atrifolius* W. Greuter & Burdet in *Willdenowia*, 16(1): 108 (1986), nom. nov.: A. *melanocarpus* Bunge.

*austrodarvasicus* M.R. Rasulovala in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(81): 26 (1980)—U.S.S.R. (Middle Asia).

*austrosachalinensis* N.S. Pavlova in *Bot. Zhurn.*, 74(6): 906 (1989)—Sakhalin Is. (Moneron Is.).

*azizii* A.A.R. Maassoumi in *Mitt. Bot. Staatssamml. München*, 28: 504 (1989)—Iran.

baba-alliar

subsp. *nudicarpus* (Širj. & Rech. f.) S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 259 (1988): A. *bruguieri* var. *nudicarpus*.

*babakhanloui* A.A. Ramak Maassoumi & D. Podlech in *Iranian J. Bot.*, 4(1): 72 (1988)—Iran.

*bactrianus* F.G.L. Fischer in A. Bunge, *Beitr. Fl. Russl.*: 96 (1852)—U.S.S.R. (Middle Asia).†

*baitagensis* Sancz. ex N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(1): 109 (1990)—Mongolia.

*bakaliensis* A. Bunge in *Arb. Naturf. Ver. Riga*, 1: 249 (1847)—U.S.S.R. (Middle Asia).†

*banzragezii* N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 111 (1987)—Mongolia.

*baotouensis* H.C. Fu in *Fl. Intramongolica*, Ser. 2, 3: 670, 295 (1989)—China.

*bashmensis* A.A.R. Maassoumi in *Mitt. Bot. Staatssamml. München*, 28: 509 (1989)—Iran.

*basilicus* Maassoumi & D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 788 (1988)—Iran.

*bazmanicus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 27: 63 (1988)—Iran.

*belcheraghensis* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 671 (1988)—Afghanistan.

*bibullatus* R.C. Barneby & E.L. Bridges in *Brittonia*, 39(3): 359 (1987)—U.S.A. (Tennessee).

*bilobatoalatus* (Rassul.) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 408 (1988): A. *lentilobus* subsp. *bilobatoalatus*.

*bogensis* M.R. Rasulovala in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(78): 17 (1980)—U.S.S.R. (Middle Asia).

*bor-bulakensis* M.R. Rasulovala in *Dokl. Akad. Nauk Tadzh. SSR*, 23(7): 402 (1980)—U.S.S.R. (Middle Asia).

*bosutoensis* Nik. & I.G. Sudnitsyna in *Izv. Akad. Nauk Kirgiz. SSR*, 1974(1): 68 (1974)—U.S.S.R. (Middle Asia).

*brotherusii* D. Podlech in *Mitt. Bot. Staatssamml. München*, 27: 54 (1988)—U.S.S.R. (Middle Asia).

*calamistratus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 560 (1988)—Afghanistan.

*callainus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 747 (1988)—Iran.

calliphysa

subsp. *angustifolius* S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 268 (1988)—Iran.

callistachys

subsp. *porphyrobaphis* (Fischer) S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 190 (1988): A. *porphyrobaphis*.

*camptodontus* var. *lichiangensis* (Sims.) K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 6(1): 57 (1986): A. *lichiangensis*.

caprinus

subsp. *glaber* (DC.) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 152 (1988): A. *caprinus* var. *glaber*.

subsp. *huetii* (Bunge) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 155 (1988): A. *huetii*.

cartilagineus

subsp. *honigbergeri* (Sirj. & Rech. f.) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 638 (1988): A. *honigbergeri*.

*catabostrychos* Kress-Deml & D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 565 (1988)—Afghanistan.

*cavanillesii* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 161 (1988)—Spain.

## ASTRAGALUS :—

*centraligobicus* Z.Y. Chu & Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 14(4): 447 (1983), as 'centrali-gobicus'—China.

*cercidophacos* D. Podlech & A.R. Maassoumi in *Davis & Hedge Festschrift* (ed. Kit Tan): 77 (1989)—Iran.

*chaetodon* A. Bunge, *Beitr. Fl. Russl.*: 96 (1852)—U.S.S.R. (Middle Asia).†

*chaldiranicus* Kit Tan & F. Sorger in *Aliso*, 11(4): 624 (1987)—Turkey.

*changaicus* Sancz. ex N. Ulziikhutag in L.G. Byazrov et al., *Fl. Khangaya*: 121 (1989)—Mongolia.

*chingianus* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 290 (1989)—China.

*chubsugulicus* Gontsch. ex N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(1): 110 (1990)—Mongolia.

*chuskanus* R.C. Barneby & R. Spellenberg in *Brittonia*, 39(2): 188 (1987)—U.S.A. (New Mexico, Arizona).

*ciceroides* D.I. Sosnovskii in *Trudy Tbilis. Bot. Inst.*, 12: 231 (1948)—U.S.S.R. (Caucasus).

citrinus

subsp. *barrowianus* (Aitch. & Baker) D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 555 (1988): A. *barrowianus*.

subsp. *khorsanicus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 556 (1988)—Iran, Afghanistan.

*collenetteae* I.C. Hedge & D. Podlech in *Bot. Jahrb.*, 108(2–3): 269 (1987), as 'collenettiae'—Saudi Arabia.

*controversus* A.A.R. Maassoumi & D. Podlech in *Iranian J. Bot.*, 3(2): 98 (1987)—Iran.

cusickii

var. *packardiae* R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 78 (1989)—U.S.A. (Idaho).

var. *sterilis* (Barneby) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 78 (1989): A. *sterilis*.

*cystocarpus* A.G. Borisova in *Trudy Tadzhik. Bazh. Akad. Nauk*, 2: 163 (1936)—U.S.S.R. (Middle Asia), Afghanistan.

*damardanicus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 318 (1988)—Afghanistan.

*darlingtonii* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 282 (1988)—Iran.

davidii

var. *acutidentatus* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 294 (1989)—China.

*degilmonus* M.R. Rasulovala in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(81): 28 (1980)—U.S.S.R. (Middle Asia).

*demavendicolus* subsp. *microphysopsis* S. Tietz in *Mitt. Bot. Staatssamml. München*, 27: 204 (1988)—Iran.

*dengkouensis* H.C. Fu in *Fl. Intramongolica*, Ser. 2, 3: 290 (1989), nom. nov.: A. *alaschanensis* H.C. Fu.

*denticulatus* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(2): 749 (1988)—Iran.

*denudatus* C. Steven in *Mém. Soc. Nat. Mosc.*, 4: 97 (1812–1813); see F.A. Stafleu & R.S. Cowan, *Taxon. Lit.*, 5: 913 (1985) for explanation of publ. date—U.S.S.R. (Caucasus).†

desperatus

var. *neeseae* R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 140 (1989), nom. nov.: A. *equisolensis* Neese & Welsh.

*doshman-ziariensis* A.A. Ramak Maassoumi & D. Podlech in *Iranian J. Bot.*, 4(1): 74 (1988)—Iran.

*dulungkiangensis* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 298 (1989)—China.

*edmondsonii* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 498 (1988)—Iran.

*ekbergii* D. Podlech in *Mitt. Bot. Staatssamml. München*, 25(1): 436 (1988)—Afghanistan.

*eliasianus* Kit Tan & F. Sorger in *Aliso*, 11(4): 625 (1987)—Turkey.

*enneaphyllus* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 289 (1989)—China.

eremiticus

var. *ampullarioides* S.L. Welsh in *Great Basin Nat.*, 46(2): 262 (1986)—U.S.A. (Utah).

*ertterae* R.C. Barneby & J.R. Shevock in *Aliso*, 11(4): 585 (1987)—U.S.A. (California).



**ASTRAGALUS :-**

- erubescens *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 558 (1988)—Iran.
- esferayenicus *D. Podlech & A.R. Maassoumi in Bot. Jahrb.*, 109(2): 262 (1987)—Iran.
- eusarathron *Kress-Deml & D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 383 (1988)—Iran.
- evanensis *A.R. Maassoumi & D. Podlech in Bot. Jahrb.*, 109(2): 262 (1987)—Iran.
- facetus *A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot.*, 4(1): 74 (1988); et in *Mitt. Bot. Staatssamml. München*, 28: 505 (1989)—Iran.
- fartus *A. Bunge, Beitr. Fl. Russl.*: 100 (1852)—U.S.S.R. (Middle Asia).†
- fasciculifolius  
   *subsp. arbusculus (Bornm. & Gauba) S. Tietz in Mitt. Bot. Staatssamml. München*, 27: 276 (1988); *A. arbusculus*.
- firuzkuhensis *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 313 (1988)—Iran.
- flexicaulis *D.I. Sosnovskii in Trudy Tbilis. Bot. Inst.*, 12: 232 (1948)—U.S.S.R. (Caucasus).
- frigidus  
   *var. grigorjewii (B. Fedtsch.) B.A. Yurtsev in Arktich. Fl. SSSR*, 9(2): 32 (1986); *A. grigorjewii*.
- gagnieui *A.R. Maassoumi & D. Podlech in Bot. Jahrb.*, 109(2): 264 (1987)—Iran.
- galbescus *A.A. Ramak Maassoumi in Iranian J. Bot.*, 4(1): 130 (1988)—Iran.
- gardanikaphtharicus *M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(78): 16 (1980)—U.S.S.R. (Middle Asia).
- geerwusuensis *H.C. Fu in Fl. Intramongolica*, Ser. 2, 3: 671, 285 (1989)—China.
- ghahremani *A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot.*, 4(1): 76 (1988)—Iran.
- gificanus *A.R. Maassoumi & D. Podlech in Bot. Jahrb.*, 109(2): 267 (1987)—Iran.
- gobi-altaicus *N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 83 (1990)—Xinjiang, Mongolia.
- golestanicus *A.A.R. Maassoumi & D. Podlech in Iranian J. Bot.*, 3(2): 101 (1987)—Iran.
- gonggamontis *P.C. Li in Acta Bot. Yunnanica*, 11(3): 296 (1989)—China.
- gorczakovskii *L.I. Vasil'eva in Fl. Evropeiskoi Chasti SSSR*, 6: 57 (1987), nom. nov.: *A. uralensis Litv.*
- granitovii *Sancz. ex N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 81 (1990)—Xinjiang, Mongolia.
- grey-wilsonianus *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 686 (1988)—Afghanistan.
- grossheimianus *D.I. Sosnovskii in Trudy Tbilis. Bot. Inst.*, 12: 230 (1948)—U.S.S.R. (Caucasus).
- grubovii *Cheng f. ex P.C. Li in Acta Bot. Yunnanica*, 11(3): 293 (1989)—China.
- var. angustifolia H.C. Fu in Fl. Intramongolica*, Ser. 2, 3: 671, 289 (1989)—China.
- gubanovii *N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 112 (1987)—Mongolia.
- habaheensis *Y.X. Liou in Fl. Desert. Reipubl. Popul. Sin.*, 2: 444 (1987)—Xinjiang.
- hartvigii *Kit Tan in Aliso*, 11(4): 619 (1987)—Turkey.
- hedeanus *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 547 (1988)—Afghanistan.
- hegingensis *Y.X. Liou in Fl. Desert. Reipubl. Popul. Sin.*, 2: 444 (1987)—Xinjiang.
- herbertii *A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München*, 27: 129 (1988)—Iran.
- heterodontus *A.G. Borisova in Trudy Tadjik. Baz' Akad. Nauk*, 2: 161 (1936)—U.S.S.R. (Middle Asia), Xizang.
- holargyreus *A. Bunge, Beitr. Fl. Russl.*: 97 (1852)—U.S.S.R. (Middle Asia).†
- hypoglottis  
   *subsp. gremlii (Burnat) W. Greuter & Burdet in Willdenowia*, 19(1): 30 (1989); *A. gremlii*.
- ikonnikovii *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 573 (1988)—U.S.S.R. (Middle Asia).
- iljinii *R.V. Kamelin in Izv. Otd. Biol. Nauk Akad. Nauk Tadzhik. SSR*, 1(2): 49 (1966), later homonym of Rzaade 1954—U.S.S.R. (Middle Asia).
- imbecillus *A.R. Maassoumi & D. Podlech in Bot. Jahrb.*, 109(2): 268 (1987)—Iran.

**ASTRAGALUS :-**

- impepus *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 334 (1988)—Iran.
- indistinctus *D. Podlech & A.R. Maassoumi in Bot. Jahrb.*, 109(2): 269 (1987)—Iran.
- inexpectatus *A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot.*, 4(1): 77 (1988)—Iran.
- inopinatus  
   *subsp. pseudoadsurgens (Jurtz.) N.S. Pavlova in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 234 (1989); *A. pseudoadsurgens*.
- inquilinus *A.A. Ramak Maassoumi in Iranian J. Bot.*, 4(1): 132 (1988)—Iran.
- iranshahrii *A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot.*, 4(1): 79 (1988)—Iran.
- isparticus *Kit Tan & F. Sorger in Aliso*, 11(4): 626 (1987)—Turkey.
- jabalambrensis *C. Pau, Not. Bot. Fl. Espan.*, 6: 46 (1895)—Spain.
- junussovii *M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(74): 86 (1979)—U.S.S.R. (Middle Asia).
- kamelinii *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 359 (1988)—U.S.S.R. (Middle Asia).
- kangalicus *Kit Tan & F. Sorger in Aliso*, 11(4): 626 (1987)—Turkey.
- karaculensis *P.N. Ovchinnikov & M. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(65): 5 (1976)—U.S.S.R. (Middle Asia).
- kashafensis *D. Podlech in Mitt. Bot. Staatssamml. München*, 27: 61 (1988)—Iran.
- kashmarensis *A.A.R. Maassoumi & D. Podlech in Iranian J. Bot.*, 3(2): 101 (1987)—Iran.
- kenteicus *N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(1): 111 (1990)—Mongolia.
- kirchhoffiae *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 508 (1988)—Turkey.
- kitianus *F. Sorger in Aliso*, 11(4): 624 (1987)—Turkey.
- klementzii *N. Ulziikhutag in L.G. Byazrov et al., Fl. Khangaya*: 123 (1989)—Mongolia.
- klukhoricus *D.I. Sosnovskii in Trudy Tbilis. Bot. Inst.*, 12: 237 (1948)—U.S.S.R. (Caucasus).
- koikitaensis *M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(78): 93 (1980)—U.S.S.R. (Middle Asia).
- koslovii *B. Fedtsch. & N. Basil. ex N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 85 (1990)—Xinjiang.
- kschtutensis *M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(77): 91 (1979)—U.S.S.R. (Middle Asia).
- kukkonenii *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 314 (1988)—Afghanistan.
- kunarensis *D. Podlech in Mitt. Bot. Staatssamml. München*, 27: 55 (1988)—Afghanistan.
- kuphoensis *M. Gandoger in Bull. Soc. Bot. France*, 64: 122 (1917)—Crete.
- lalandei *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 567 (1988)—Afghanistan.
- lamalaensis *Z.C. Ni in Acta Phytotax. Sin.*, 25(3): 232 (1987)—Xizang.
- lambinonii *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 159 (1988)—Iran.
- lasiostylus *F.G.L. Fischer in A. Bunge, Beitr. Fl. Russl.*: 95 (1852)—U.S.S.R. (Middle Asia).†
- lentiginosus  
   *var. pohlii S.L. Welsh & R.C. Barneby in Iselya*, 2(1): 1 (1981)—U.S.A. (Utah).
- leonardii *A.A. Ramak Maassoumi in Iranian J. Bot.*, 4(1): 132 (1988)—Iran.
- lepidus *D. Podlech in Mitt. Bot. Staatssamml. München*, 27: 57 (1988)—Iran.
- li-nii *E. Gómez-Sosa in Taxon*, 37(2): 469 (1988), nom. nov.: *A. monticola P.C. Li & C.C. Ni*.
- limnocharis  
   *var. tabulaeus S.L. Welsh in Great Basin Nat.*, 46(2): 261 (1986)—U.S.A. (Utah).
- lineariaurifer *P.C. Li in Acta Bot. Yunnanica*, 11(3): 292 (1989)—China.
- linearifolius *P.N. Ovchinnikov & M. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(65): 4 (1976)—U.S.S.R. (Middle Asia).
- lineatus  
   *var. bibracteolatus H. Duman & M. Vural in Doğa, Turk. J. Bot.*, 14: 42 (1990)—Turkey.

**ASTRAGALUS :-**

- longisepalus *M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(77): 90 (1979)—U.S.S.R. (Middle Asia).
- longistipitatus *A.G. Borisova in Trudy Tadjik. Baz' Akad. Nauk*, 2: 165 (1936)—U.S.S.R. (Middle Asia).
- maassoumii *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(1): 280 (1988)—Iran.
- macropelmatus  
   *subsp. pseudobuchtormensis (Sirj. & Rech. f.) D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 735 (1988); *A. pseudobuchtormensis*.
- magistratus *A.A. Ramak Maassoumi, A. Ghahreman & V. Mozaaffarian in Iranian J. Bot.*, 4(1): 110 (1988)—Iran.
- maireanus *W. Greuter & Burdet in Willdenowia*, 16(2): 441 (1987)—Morocco.
- marianus *Huber, Cat. Gén. 1871 & 1872*: 3 (1871); cf. *D.J. Mabberley in Taxon*, 34(3): 453 (1985)—U.S.A. (Colorado).
- marinus  
   *subsp. boreomarinus (Khokhr.) N.S. Pavlova in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 235 (1989); *A. boreomarinus*.
- matiensis *P.C. Li in Acta Bot. Yunnanica*, 11(3): 294 (1989)—China.
- memnonius *A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot.*, 4(1): 81 (1988)—Iran.
- mendocinus *E. Gómez-Sosa in Bol. Soc. Argent. Bot.*, 25(3-4): 488 (1988)—Argentina.
- meuselii *A. Romo in Flora (Germany)*, 182(3-4): 265 (1989)—Morocco.
- milingensis  
   *var. heydeides K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 48 (1985)—China.
- var. paucijugus (K.T. Fu) K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 6(1): 58 (1986); *A. prodigiousus var. paucijugus*.
- var. prodigiousus (K.T. Fu) K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 6(1): 58 (1986); *A. prodigiousus*.
- minutulus *A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München*, 28: 506 (1989)—Iran.
- miralamentis *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 737 (1988)—Afghanistan.
- mirus *D.I. Sosnovskii in Trudy Tbilis. Bot. Inst.*, 12: 230 (1948)—Turkey.
- miyalomontis *P.C. Li in Acta Bot. Yunnanica*, 11(3): 288 (1989)—China.
- monodelphus  
   *subsp. xitaibaicus K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 1(2): 17 (1981)—China.
- montigenus (*Hand.-Mazz.*) *Cheng f. ex P.C. Li in Acta Bot. Yunnanica*, 11(3): 289 (1989); *A. bhotanensis var. montigenus*.
- mozaaffarianii *A.A.R. Maassoumi in Iranian J. Bot.*, 3(2): 191 (1987)—Iran.
- nanfengensis *Z.C. Ni in Acta Phytotax. Sin.*, 25(3): 233 (1987)—Xizang.
- nebrodensis (*Guss.*) *P.G. Strobl in Österr. Bot. Zeitschr.*, 37: 245 (1887); *A. siculus b. nebrodensis*.
- nelidae *E. Gómez-Sosa in Bol. Soc. Argent. Bot.*, 25(3-4): 485 (1988)—Argentina.
- nenilinii *F.O. Khasanov & I.I. Mal'tsev in Dokl. Akad. Nauk Uzb. SSR*, 1989(9): 52 (1989)—U.S.S.R. (Middle Asia).
- neobarnebyanus *E. Gómez-Sosa in Brittonia*, 38(4): 427 (1986)—Peru.
- neochorgosicus *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 624 (1988), as 'neo-chorgosicus'—Xinjiang, U.S.S.R. (Middle Asia).
- neomobayenii *A.A. Ramak Maassoumi in Iranian J. Bot.*, 4(1): 135 (1988), as 'neo-mobayenii'—Iran.
- neopodlechii *A.A.R. Maassoumi in Iranian J. Bot.*, 3(2): 193 (1987), as 'neo-podlechii'—Iran.
- newberryi  
   *var. escalantinus R.C. Barneby in A. Cronquist et al., Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 128 (1989)—U.S.A. (Utah).
- nigrocarpus *F.O. Khasanov & I.I. Mal'tsev in Dokl. Akad. Nauk Uzb. SSR*, 1989(3): 54 (1989)—U.S.S.R. (Middle Asia).
- nitidissimus *W. Greuter & Burdet in Willdenowia*, 16(1): 108 (1986), nom. nov.: *A. nitens Boiss. & Heldr.*
- novus *J.J. Winterl, Index Hort. Bot. Pest.*: 15, fig. 13 (1788), see Art. 23.6, Ex. 6 ICBN (1983)—Locality not stated.

**ASTRAGALUS :-**

- nummularius  
subsp. trichopterus (Boiss.) D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 307 (1988): A. trichopterus.  
nurabadensis A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 269 (1987)—Iran.  
nutriosensis M.Y. Sanderson in Madroño, 35(4): 325 (1988 publ. 1989)—U.S.A. (Arizona).  
ocakverdii Kit Tan & F. Sorger in Pl. Syst. Evol., 154(1-2): 115 (1986)—Turkey.  
ordosicus H.C. Fu in Fl. Intramongolica, Ser. 2, 3: 671, 290 (1989)—China.  
pakistanicus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 502 (1988)—Pakistan.  
pamirensis P.N. Ovchinnikov & M. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 4(65): 7 (1976)—U.S.S.R. (Middle Asia).  
pamiricus (B. Fedtschenko) B. Fedtschenko in Bull. Herb. Boiss., Ser. 2, 5: 315 (1905): A. tianschanicus var. pamiricus.†  
papillosus D. Podlech in Mitt. Bot. Staatssamml. München, 27: 60 (1988)—Afghanistan.  
patrius A.A. Ramak Maassoumi in Iranian J. Bot., 4(1): 137 (1988)—Iran.  
pendulopetalus S.B. Ho & Z.H. Wu in Acta Bot. Bor.-Occid. Sin., 8(2): 133 (1988)—Xinjiang.  
penetratus A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München, 28: 507 (1989)—Iran.  
pentapetaloides A. Bunge, Beitr. Fl. Russl.: 98 (1852)—U.S.S.R. (Middle Asia).†  
perdurans D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 385 (1988)—Iran.  
perplexus A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München, 27: 131 (1988)—Iran.  
perplexans D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 500 (1988)—Afghanistan.  
pinetorum  
subsp. alamutensis A.A.R. Maassoumi & D. Podlech in Iranian J. Bot., 3(2): 104 (1987)—Iran.  
subsp. declinatus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 326 (1988), nom. nov.: A. declinatus Willd.  
pinonis  
var. atwoodii (Welsh & Thorne) R.C. Barneby & Isely in A. Cronquist et al., Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A., 3B: 67 (1989): A. atwoodii.  
piranshahricus A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 271 (1987)—Iran.  
pish-chakensis A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München, 27: 132 (1988)—Iran.  
plagiophacos A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot., 4(1): 83 (1988)—Iran.  
potaninii N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(2): 77 (1990)—Mongolia.  
preussii  
var. cutleri R.C. Barneby in Great Basin Nat., 46(2): 256 (1986)—U.S.A. (Utah).  
prodigiosus  
var. paucijugus K.T. Fu in Acta Bot. Bor.-Occid. Sin., 5(1): 48 (1985)—China.  
przhevalskianus D. Podlech & Ulzj. in Mitt. Bot. Staatssamml. München, 25(1): 366 (1988)—Mongolia, Xinjiang.  
pseudochorinensis N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(1): 113 (1990)—Mongolia.  
pseudofragiferus S. Tietz in Mitt. Bot. Staatssamml. München, 27: 213 (1988)—Iran.  
pseudogombo J. Fernández Casas in Fontqueria, 2: 25 (1982)—Morocco.  
pseudogompholobium D. Podlech in Mitt. Bot. Staatssamml. München, 25(2): 759 (1988)—Afghanistan.  
pseudobibicus A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 272 (1987)—Iran.  
subsp. kowlikoshensis A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 272 (1987)—Iran.  
pseudojohannis A.A.R. Maassoumi & D. Podlech in Iranian J. Bot., 3(2): 106 (1987)—Iran.  
pseudomultijugus D. Podlech in Mitt. Bot. Staatssamml. München, 27: 58 (1988)—Iran.  
pseudopellitus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 486 (1988)—Iran.  
pseudotesticulatus Sancz. ex N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(2): 82 (1990)—Mongolia.

**ASTRAGALUS :-**

- pseudotitovii D. Podlech in Mitt. Bot. Staatssamml. München, 25(2): 765 (1988)—U.S.S.R. (Middle Asia).  
pseudotomentellus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 441 (1988)—Afghanistan.  
pseudovinus A.A.R. Maassoumi & D. Podlech in Iranian J. Bot., 3(2): 106 (1987)—Iran.  
pseudovulpinus Sancz. ex N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(1): 115 (1990)—Mongolia.  
pseudozagrosicus A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 274 (1987)—Iran.  
qingheensis Y.X. Liou in Fl. Desert. Reipubl. Popul. Sin., 2: 444 (1987)—Xinjiang.  
ramitensis M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 4(81): 27 (1980)—U.S.S.R. (Middle Asia).  
regestus A.A.R. Maassoumi in Mitt. Bot. Staatssamml. München, 28: 508 (1989)—Iran.  
renzianus D. Podlech in Mitt. Bot. Staatssamml. München, 22: 1 (1986)—Iran.  
reticulatovenosus A.A.R. Maassoumi & D. Podlech in Iranian J. Bot., 3(2): 109 (1987), as 'reticulato-venosus'—Iran.  
rhizanthus  
subsp. candolleanus (Royle ex Benth) D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 184 (1988): A. candolleanus.  
var. pindrensensis (Benth) ex Baker D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 183 (1988): A. candolleanus var. pindrensensis.  
rhizocephalus  
subsp. hindukushensis (Wendelbo) D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 402 (1988): A. hindukushensis.  
rivashensis A.A. Ramak Maassoumi in Iranian J. Bot., 4(1): 139 (1988)—Iran.  
robertianus Kit Tan & F. Sorger in Aliso, 11(4): 622 (1987)—Turkey.  
rubrocalycinus A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot., 4(1): 85 (1988)—Iran.  
rubromarginatus  
subsp. oerolanicus (M. Popov) D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 493 (1988): A. oerolanicus.  
rudolfii N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(2): 80 (1990)—Mongolia, Xinjiang.  
salsugineus  
var. hetaoensis H.C. Fu in Fl. Intramongolica, Ser. 2, 3: 672, 293 (1989)—China.  
sanandajianus S. Tietz in Mitt. Bot. Staatssamml. München, 27: 222 (1988)—Iran.  
sanczirii N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(1): 114 (1990)—Mongolia.  
sangcharakensis D. Podlech in Mitt. Bot. Staatssamml. München, 25(2): 783 (1988)—Afghanistan.  
sarygorensis M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 2(75): 95 (1979)—U.S.S.R. (Middle Asia).  
savellanicus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 350 (1988)—Iran.  
schmidii D. Podlech in Mitt. Bot. Staatssamml. München, 25(2): 724 (1988)—Iran.  
semicircularis P.C. Li in Acta Bot. Yunnanica, 11(3): 297 (1989), as 'semi-circularis'—China.  
semilunatus D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 219 (1988)—Iran.  
setiferus P.N. Ovchinnikov & M. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 4(65): 3 (1976)—U.S.S.R. (Middle Asia).  
seydishehiricus Kit Tan & H. Ocakverdi in Notes Roy. Bot. Gard. Edinburgh, 44(1): 157 (1986)—Turkey.  
shatuensis D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 446 (1988)—Afghanistan.  
siccaneus P.C. Li in Acta Bot. Yunnanica, 11(3): 291 (1989)—China.  
simonii A. Huber-Morath in Bauhinia, 9(1): 38 (1988)—Turkey.  
sojakii D. Podlech in Mitt. Bot. Staatssamml. München, 25(1): 243 (1988)—Iran.  
sphaerocystis A. Bunge, Beitr. Fl. Russl.: 97 (1852)—U.S.S.R. (Middle Asia).†  
stepporum D. Podlech in Mitt. Bot. Staatssamml. München, 27: 51 (1988)—Iran.

**ASTRAGALUS :-**

- stevianus  
subsp. glochideus (Boiss.) A.K. Sýtin in Novosti Sist. Vyssh. Rast., 25: 107 (1988): A. glochideus.  
subsp. meskheticus (Manden.) A.K. Sýtin in Novosti Sist. Vyssh. Rast., 25: 106 (1988): A. meskheticus.  
stridii Kit Tan in Aliso, 11(4): 621 (1987)—Turkey.  
subscaposus M. Popov ex A.G. Borisova in Trudy Tadzhik. Bazv Akad. Nauk, 2: 164 (1936)—U.S.S.R. (Middle Asia).  
subspogocarpus P.N. Ovchinnikov & M.R. Rasulova in Dokl. Akad. Nauk Tadzh. SSR, 23(6): 338 (1980)—U.S.S.R. (Middle Asia).  
susianus  
subsp. sericeus S. Tietz in Mitt. Bot. Staatssamml. München, 27: 174 (1988)—Iran.  
tabrisianus E.P. Sheldon in Minnesota Bot. Stud., 1: 154 (1894), nom. nov. illegit.: A. elegans Bunge.  
taipaishanensis Y.C. Ho & S.B. Ho ex C.W. Chang in Fl. Tsinlingensis, 1(3): 445, 60 (1981)—China.  
tamiricus N. Ulziikhutag in L.G. Byazrov et al., Fl. Khangaya: 124 (1989)—Mongolia.  
tanae D.I. Sosnovskii in Trudy Tbilis. Bot. Inst., 12: 235 (1948)—U.S.S.R. (Caucasus).  
tanguticus  
var. albiflorus S.W. Liu ex K.T. Fu in Acta Bot. Bor.-Occid. Sin., 6(1): 57 (1986)—China.  
tener  
var. ferrisiae A. Liston in Brittonia, 42(2): 100 (1990)—U.S.A. (California).  
termeanus A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot., 4(1): 87 (1988)—Iran.  
terrae-rubrae A. Burtov in Bot. Mater. Gerb. Bot. Inst. Uzbek. Fil. Akad. Nauk SSSR, 6: 6 (1941)—U.S.S.R. (Middle Asia).  
thracicus  
subsp. cylleneus (Boiss. & Heldr.) A. Strid in A. Strid (ed.), Mount. Fl. Greece, 1: 467 (1986): A. cylleneus.  
subsp. monachorum (Širj.) A. Strid in A. Strid (ed.), Mount. Fl. Greece, 1: 467 (1986): A. monachorum.  
subsp. parnassii (Boiss.) A. Strid in A. Strid (ed.), Mount. Fl. Greece, 1: 466 (1986): A. parnassii.  
tokachiensis T. Yamazaki & Y. Kadota in J. Jap. Bot., 61(7): 199 (1986)—Japan.  
tolmacevii B.A. Yurtsev in Arktich. Fl. SSSR, 9(2): 178, 48 (1986)—U.S.S.R. (Siberia, Soviet Far East), Canada (N.W. Terr.).  
tragacanthoides  
subsp. pinetorum (Boiss.) D. Podlech in Bot. Jahrb., 108(2-3): 328 (1987): A. pinetorum.  
transoxanus F.G.L. Fischer in A. Bunge, Beitr. Fl. Russl.: 95 (1852)—U.S.S.R. (Middle Asia).†  
trifoliolatus N.V. Pavlov in Vestn. Akad. Nauk Kazakh. SSR, 1: 32 (1949)—U.S.S.R. (Middle Asia).†  
tuus Kit Tan in Aliso, 11(4): 627 (1987)—Turkey.  
typhaeiformis A.A. Ramak Maassoumi in Iranian J. Bot., 4(1): 141 (1988)—Iran.  
urungensis N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(2): 75 (1990)—Xinjiang.  
vanensis D.I. Sosnovskii in Trudy Tbilis. Bot. Inst., 12: 240 (1948)—Turkey.  
variocarinus A.P. Khokhryakov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 94(6): 95 (1989)—U.S.S.R. (Caucasus, Middle Asia).  
venustus A.R. Maassoumi & D. Podlech in Davis & Hedge Festschrift (ed. Kit Tan): 78 (1989)—Iran.  
vereskensis A.R. Maassoumi & D. Podlech in Bot. Jahrb., 109(2): 276 (1987)—Iran.  
vessaliae A.A. Ramak Maassoumi & D. Podlech in Iranian J. Bot., 4(1): 88 (1988), as 'vessalae'—Iran.  
viridiflavus N. Ulziikhutag in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(2): 78 (1990)—Mongolia.  
warionis M. Gandoger in Bull. Soc. Bot. France, 64: 122 (1917)—Algeria.  
welshii R.C. Barneby in A. Cronquist et al., Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A., 3B: 130 (1989)—U.S.A. (Utah).  
wolungensis P.C. Li in Acta Bot. Yunnanica, 11(3): 295 (1989)—China.  
zaroekoensis M.R. Rasulova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 4(81): 25 (1980)—U.S.S.R. (Middle Asia).  
zhaolingicus K.T. Fu in Acta Bot. Bor.-Occid. Sin., 10(3): 219 (1990)—China.

**ASTRAGALUS** :-

ziaratisensis *D. Podlech in Mitt. Bot. Staatssamml. München*, 25(2): 739 (1988)—Afghanistan.

**ASTRANTIA** (Umbellif.).

tenorei *M.G. Mariotti in Webbia*, 43(1): 11 (1989)—Italy.

**ASTROCARYUM** (Palmae).

triandrum *G. Galeano-Garces, R.G. Bernal & F. Kahn in Candollea*, 43(1): 279 (1988)—Colombia.

**ASTROCODON** (Campanulac.).

auritus (*Greene*) *A.P. Khokhryakov, Analiz Fl. Kolym'skogo Nagor'ya*: 122 (1989): Campanula aurita.  
piperi (*Howell*) *A.P. Khokhryakov, Analiz Fl. Kolym'skogo Nagor'ya*: 122 (1989): Campanula piperi.

**ASTROLOBA** (Aloec.).

spiralis  
subsp. foliolosa (*Haw.*) *L.E. Groen in Succulenta*, 66(7-8): 162 (1987): Aloe foliolosa.

**ASTRONIA** (Melastomatac.).

sect. Astigmata *J.F. Maxwell in Blumea*, 35(1): 104 (1990).

## acuminatissima

var. palawanensis *J.F. Maxwell in Blumea*, 35(1): 105 (1990)—Philippine Is.

var. subcaudata (*Merr.*) *J.F. Maxwell in Blumea*, 35(1): 105 (1990): A. subcaudata.

alata *J.F. Maxwell in Blumea*, 35(1): 105 (1990)—Philippine Is.

benguensis *J.F. Maxwell in Blumea*, 35(1): 106 (1990)—Philippine Is.

brunnea *J.F. Maxwell in Blumea*, 35(1): 87 (1990)—New Guinea (Papua New Guinea, W. Irian).

brunneo-aenea *J.F. Maxwell in Blumea*, 35(1): 88 (1990), as 'brunneo-aenea'—New Guinea (Papua New Guinea).

bullata *J.F. Maxwell in Blumea*, 35(1): 88 (1990)—New Guinea (W. Irian).

chartacea *J.F. Maxwell in Blumea*, 35(1): 89 (1990)—New Guinea (W. Irian).

columnaris *J.F. Maxwell in Blumea*, 35(1): 90 (1990)—New Guinea (Papua New Guinea).

coriacea *J.F. Maxwell in Blumea*, 35(1): 90 (1990)—New Guinea (W. Irian, Papua New Guinea).

corymbosa *J.F. Maxwell in Blumea*, 35(1): 91 (1990)—New Guinea (W. Irian, Papua New Guinea).

crassiloba *J.F. Maxwell in Blumea*, 35(1): 92 (1990)—New Guinea (Papua New Guinea).

## cumingiana

var. bicolor (*Merr.*) *J.F. Maxwell in Blumea*, 35(1): 107 (1990): A. bicolor.

cuspidata *J.F. Maxwell in Blumea*, 35(1): 93 (1990)—New Britain, New Ireland.

elaterinervis *J.F. Maxwell in Blumea*, 35(1): 93 (1990)—New Guinea (W. Irian).

grandiflora *J.F. Maxwell in Blumea*, 35(1): 94 (1990)—New Guinea (Papua New Guinea).

katangladensis *J.F. Maxwell in Blumea*, 35(1): 109 (1990)—Philippine Is.

klabatensis *J.F. Maxwell in Blumea*, 35(1): 96 (1990)—Celebes.

laevis *J.F. Maxwell in Blumea*, 35(1): 96 (1990)—New Guinea (Papua New Guinea).

## lagunensis

var. pachyphylla (*Merr.*) *J.F. Maxwell in Blumea*, 35(1): 110 (1990): A. pachyphylla.

var. pauciflora (*Merr.*) *J.F. Maxwell in Blumea*, 35(1): 110 (1990): A. pauciflora.

## megalantha

var. campanulata *J.F. Maxwell in Blumea*, 35(1): 110 (1990)—Philippine Is.

quadrangulata *J.F. Maxwell in Blumea*, 35(1): 111 (1990)—Philippine Is.

rugata *J.F. Maxwell in Blumea*, 35(1): 98 (1990)—New Guinea (Papua New Guinea).

rugosa *J.F. Maxwell in Blumea*, 35(1): 98 (1990)—New Guinea (Papua New Guinea).

sabahensis *J.F. Maxwell in Blumea*, 35(1): 112 (1990)—Borneo (Sabah).

scabrida *J.F. Maxwell in Blumea*, 35(1): 113 (1990)—Philippine Is.

**ASTRONIA** :-

sericea *J.F. Maxwell in Blumea*, 35(1): 99 (1990)—New Guinea (Papua New Guinea).

shungolensis *J.F. Maxwell in Blumea*, 35(1): 100 (1990)—New Guinea (Papua New Guinea).

sorongensis *J.F. Maxwell in Blumea*, 35(1): 101 (1990)—New Guinea (W. Irian).

squamosa *J.F. Maxwell in Blumea*, 35(1): 102 (1990)—New Guinea (Papua New Guinea).

triangularis *J.F. Maxwell in Blumea*, 35(1): 102 (1990)—New Guinea (W. Irian, Papua New Guinea).

truncata *J.F. Maxwell in Blumea*, 35(1): 103 (1990)—New Guinea (Papua New Guinea).

villosavaginata *J.F. Maxwell in Blumea*, 35(1): 104 (1990), as 'villosa-vaginata'—New Guinea (Papua New Guinea).

williamsii  
var. ramosii (*Merr.*) *J.F. Maxwell in Blumea*, 35(1): 114 (1990): A. ramosii.

**ASTRONIDIUM** (Melastomatac.).

angulosum *J.F. Maxwell in Blumea*, 35(1): 122 (1990)—Fiji.

basinervatum *J.F. Maxwell in Blumea*, 35(1): 123 (1990)—New Britain.

biakense *J.F. Maxwell in Blumea*, 35(1): 124 (1990)—New Guinea (W. Irian).

bracteatum *J.F. Maxwell in Blumea*, 35(1): 124 (1990)—British Solomon Is.

circumscissum *J.F. Maxwell in Blumea*, 35(1): 126 (1990)—New Guinea (Papua New Guinea).

constrictum *J.F. Maxwell in Blumea*, 35(1): 127 (1990)—New Guinea (Papua New Guinea, W. Irian).

cuneatum *J.F. Maxwell in Blumea*, 35(1): 128 (1990)—New Guinea (Papua New Guinea).

fragilissimum *J.F. Maxwell in Blumea*, 35(1): 129 (1990)—New Guinea (Papua New Guinea).

glabratum *J.F. Maxwell in Blumea*, 35(1): 130 (1990)—New Britain, New Ireland, Admiralty Is.

infundibulare *J.F. Maxwell in Blumea*, 35(1): 131 (1990)—New Guinea (W. Irian).

laeve *J.F. Maxwell in Blumea*, 35(1): 133 (1990)—New Britain.

lemafaense *J.F. Maxwell in Blumea*, 35(1): 134 (1990)—Samoa.

lepidopunctatum *J.F. Maxwell in Blumea*, 35(1): 134 (1990), as 'lepidopunctatum'—Admiralty Is., New Ireland, New Britain.

loruense *J.F. Maxwell in Blumea*, 35(1): 135 (1990)—Bougainville Is.

mammiforme *J.F. Maxwell in Blumea*, 35(1): 136 (1990)—British Solomon Is.

micranthum *J.F. Maxwell in Blumea*, 35(1): 137 (1990)—New Britain.

miraculum-dei *J.F. Veldkamp & J.F. Maxwell in Blumea*, 35(1): 137 (1990)—British Solomon Is.

morobienae *J.F. Maxwell in Blumea*, 35(1): 140 (1990)—New Guinea (Papua New Guinea).

## muscosum

var. decurrens *J.F. Maxwell in Blumea*, 35(1): 141 (1990)—Louisiane Archipelago.

novae-ebudense *J.F. Maxwell in Blumea*, 35(1): 141 (1990)—Vanuatu.

ovalifolium (*Decne.*) *J.F. Maxwell in Blumea*, 35(1): 143 (1990): Astronia ovalifolia.

pallidum *J.F. Maxwell in Blumea*, 35(1): 143 (1990)—British Solomon Is.

pseudoparviflorum *J.F. Maxwell in Blumea*, 35(1): 145 (1990)—Fiji.

puberulum *J.F. Maxwell in Blumea*, 35(1): 145 (1990)—Admiralty Is.

rhapidifolium *J.F. Maxwell in Blumea*, 35(1): 146 (1990)—Admiralty Is.

saccharum (*J.W. Moore*) *J.F. Maxwell in Blumea*, 35(1): 147 (1990): Astronia sacchara.

sinuosum *J.F. Maxwell in Blumea*, 35(1): 148 (1990)—New Guinea (Papua New Guinea).

sudestense *J.F. Maxwell in Blumea*, 35(1): 150 (1990)—Louisiane Archipelago.

uncinatosessellatum *J.F. Maxwell in Blumea*, 35(1): 150 (1990), as 'uncinato-sessellatum'—British Solomon Is., Bougainville Is.

vaginatosessellatum *J.F. Maxwell in Blumea*, 35(1): 151 (1990), as 'vaginatosessellatum'—Bougainville Is.

vanikoroense *J.F. Maxwell in Blumea*, 35(1): 152 (1990)—British Solomon Is.

**ASTRONIDUM** :-

variabile *J.F. Maxwell in Blumea*, 35(1): 152 (1990)—Louisiane Archipelago.

var. papillosum *J.F. Maxwell in Blumea*, 35(1): 153 (1990)—Louisiane Archipelago.

**ASTROPHYTUM** (Cactac.).

## ornatum

var. niveum *B. Schütz & Fleischer in Kaktusy (Brno)*, 7(3): 55 (1971)—Locality not stated.

var. virens *B. Schütz & Fleischer in Kaktusy (Brno)*, 7(3): 55 (1971)—Locality not stated.

**ASTROTRICHILIA** (Meliac.).

asterotricha (*Radlk.*) *M. Cheek in Kew Bull.*, 44(2): 369 (1989): Trichilia asterotricha.

elliottii (*Harms*) *M. Cheek in Kew Bull.*, 44(2): 369 (1989): Trichilia elliottii.

**×ASTROWORTHIA** (Aloec.).

skinneri (*Berger*) *L.E. Groen in Succulenta*, 66(12): 261 (1987): Apicra skinneri.

**ASYNEUMA** (Campanulac.).

anhuiense *B.A. Shen in Acta Phytotax. Sin.*, 26(6): 463 (1988)—China.

babadaghense *B. Yildiz & Kit Tan in Willdenowia*, 18(1): 72 (1988), as 'babadaghensis'—Turkey.

davisianum *B. Yildiz & Kit Tan in Willdenowia*, 18(1): 68 (1988)—Turkey.

ekimianum *Kit Tan & B. Yildiz in Willdenowia*, 18(1): 74 (1988)—Turkey.

subsp. beritense *Kit Tan & B. Yildiz in Willdenowia*, 18(1): 76 (1988), as 'beritensis'—Turkey.

subsp. sivasicum *Kit Tan & Yildiz in Willdenowia*, 18(1): 76 (1988)—Turkey.

ilgazense *B. Yildiz & Kit Tan in Willdenowia*, 18(1): 67 (1988), as 'ilgazensis'—Turkey.

## linifolium

subsp. glabrum *Kit Tan & B. Yildiz in Willdenowia*, 18(1): 72 (1988)—Turkey.

subsp. nallihanicum *Kit Tan & B. Yildiz in Willdenowia*, 18(1): 72 (1988)—Turkey.

**ASYSTASIA** (Acanthac.).

ammophila *K. Ensermu in Bull. Jard. Bot. Nation. Belg.*, 59(3): 413 (1989)—Ethiopia.

pinguifolia *T.J. Edwards in S. Afr. J. Bot.*, 53(3): 231 (1987)—Mozambique, Tanzania, South Africa (Natal).

**ATALANTIA** (Rutac.).

## racemosa

var. bourdillonii *K. Narayanan Nair & M.P. Nayar in Indian J. Forest.*, 13(1): 69 (1990)—India.

**ATHANASIA** (Compos.).

inopinata (*Hutch.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 533 (1985 publ. 1986): Stilpnophytum inopinatum.

oocephala (*DC.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 533 (1985 publ. 1986): Stilpnophyton oocephalum.

**ATHENAEA** (Solanac.).

pereirae *G. Barboza & A.T. Hunziker in Bol. Soc. Argent. Bot.*, 26(1-2): 100 (1989)—Brazil.

velutina (*Sednt.*) *W.G. D'Arcy in Solanaceae Newsl.*, 2(4): 16 (1986): Aureliana velutina.

**ATLANTHEMUM** *C. Raynaud in An. Jard. Bot.*

Madrid, 44(2): 315 (1987). **CISTACEAE.**

sanguineum (*Lag.*) *C. Raynaud in An. Jard. Bot.*

Madrid, 44(2): 316 (1987): Cistus sanguineus.

subvar. erectipes (*Maire & Samuelsson*) *C.*

*Raynaud in An. Jard. Bot. Madrid*, 44(2): 317

(1987): Helianthemum sanguineum var.

erectipes.

**ATRACTOCARPUS** (Rubiace.).

heterophyllus (*Montr.*) *A. Guillaumin & G. Beauvisage in Ann. Soc. Bot. Lyon*, 38: 96 (1913 publ. 1914); et *Sp. Montrouz.*: 22 (1914) (reprint):

Gardenia heterophylla.†

stipularis (*F. Muell.*) *Puttock ex P.S. Green in Kew*

*Bull.*, 45(2): 246 (1990): Randia stipularis.

**ATRACYLIS** (Compos.).

subgen. *Acarna* (Allioni) D. Petit in Bull. Soc. Bot. France, Lett. Bot., 134(2): 179 (1987): gen. *Acarna*.  
subgen. *Carlinioideae* (Batt.) D. Petit in Bull. Soc. Bot. France, Lett. Bot., 135(1): 72 (1988): A. sect. *Carlinioidea*.

subgen. *Spadactis* (Cass.) D. Petit in Bull. Soc. Bot. France, Lett. Bot., 135(1): 72 (1988): gen. *Spadactis*.

*aurantica* K.H. Rechinger in Willdenowia, 19(1): 156 (1989)—Jordan.

*babelii*  
var. *monodii* (Arènes) D.P. Petit in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(4): 432 (1987 publ. 1988): A. *monodii*.

*lancea* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 729 (1784)—Japan.†

*ovata* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 730 (1784)—Japan.†

*prolifera*  
var. *sulfurea* D.P. Petit in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(4): 428 (1987 publ. 1988)—Morocco.

*sojakii* K.H. Rechinger in Willdenowia, 19(1): 155 (1989)—Iran.

**ATRACYLODES** (Compos.).

*comosa* (Sieb. ex Cass.) D. Petit in Bull. Soc. Bot. France, Lett. Bot., 134(2): 179 (1987): *Atracylis* *comosa*.

*cuneata* (Boiss.) D. Petit in Bull. Soc. Bot. France, Lett. Bot., 134(2): 179 (1987): *Atracylis* *cuneata*.

**ATRAGENE** (Ranunculac.).

*japonica* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 511 (1784)—Japan.†

*moisseenkoi* V.P. Serov in Bot. Zhurn., 71(8): 1128 (1986)—U.S.S.R. (Middle Asia).

**ATRAPHAXIS** (Polygonac.).

*pyrifolia* A. Bunge, Beitr. Fl. Russl.: 307 (1852)—U.S.S.R. (Middle Asia).†

**ATRIPLEX** (Chenopodiace.).

*acanthocarpa*  
subsp. *coahuilensis* J. Henrickson in Southwest. Nat., 33(4): 458 (1988)—Mexico, U.S.A. (Texas).

subsp. *pringlei* (Standley) J. Henrickson in Southwest. Nat., 33(4): 461 (1988): A. *pringlei*.

subsp. *stewartii* (I.M. Johnston) J. Henrickson in Southwest. Nat., 33(4): 457 (1988): A. *stewartii*.

*canescens*  
var. *gigantea* S.L. Welsh & Stutz in Great Basin Nat., 44(2): 189 (1984)—U.S.A. (Utah).  
var. *occidentalis* (Torr. & Frem.) S.L. Welsh & Stutz in Great Basin Nat., 44(2): 188 (1984): *Pterichiton* *occidentale*.

*chizae* M.R. Rosas in Gayana, Bot., 46(1-2): 26 (1989)—Chile.

*gardneri*  
var. *bonnevilleensis* (C.A. Hanson) S.L. Welsh in Great Basin Nat., 44(2): 190 (1984): A. *bonnevilleensis*.

var. *cuneata* (A. Nels.) S.L. Welsh in Great Basin Nat., 44(2): 190 (1984): A. *cuneata*.

var. *falcata* (Jones) S.L. Welsh in Great Basin Nat., 44(2): 191 (1984): A. *nuttallii* var. *falcata*.

var. *welshii* (C.A. Hanson) S.L. Welsh in Great Basin Nat., 44(2): 191 (1984): A. *welshii*.

× *gustafssoniana* P.M. Tschereau in Watsonia, 17(3): 256 (1989)—Great Britain, Sweden, Norway, Denmark. (A. *longipes* × *prostrata*).

var. *kattagatensis* (Turesson) P.M. Tschereau in Watsonia, 17(3): 258 (1989): A. *longipes* subsp. *kattagatense*.

*heterosperma* A. Bunge, Beitr. Fl. Russl.: 272 (1852)—U.S.S.R.†

× *hulmeana* P.M. Tschereau in Watsonia, 17(3): 261 (1989)—Great Britain. (A. *littoralis* × *prostrata*).

*imbricata*  
var. *foliolosa* (Phil.) M.R. Rosas in Gayana, Bot., 46(1-2): 39 (1989): A. *foliosum*.

*monoica* Weigel, Hort. Gryph.: 36 (1782); cf. D.J. Mabberley in Taxon, 33(3): 441 (1984)—Locality not stated.

**ATRIPLEX** :-

*patula*  
var. *triangularis* (Willd.) Thorne & S.L. Welsh in Great Basin Nat., 44(2): 193 (1984): A. *triangularis*.

*prostrata*  
var. *salina* (Wallr.) O. de Bolòs & J. Vigo, Fl. Países Catalans, 2: 784 (1990): A. *patula* var. *salina*.

*saccaria*  
var. *caput-medusae* (Eastw.) S.L. Welsh in Great Basin Nat., 44(2): 194 (1984): A. *caput-medusae*.

*tornabenei*  
var. *pedunculata* S. Castroviejo in An. Jard. Bot. Madrid, 43(2): 475 (1986 publ. 1987)—Balearic Is.

*vallenarensis* M.R. Rosas in Gayana, Bot., 46(1-2): 54 (1989)—Chile.

**ATROPA** (Solanac.).

*belladonna*  
subsp. *caucasica* (Kreyer) V.E. Avetisyan in Biol. Zhurn. Arm., 34(9): 908 (1981): A. *caucasica*.

× **ATTABIGNYA** M.J. Balick, A.B. Anderson & J.T. de Medeiros-Costa in Brittonia, 39(1): 27 (1987).  
PALMAE. (*Attalea* × *Orbignya*).  
*minarum* M.J. Balick, A.B. Anderson & J.T. de Medeiros-Costa in Brittonia, 39(1): 27 (1987)—Brazil.

**ATTALEA** (Palmae).

*colenda* (O.F. Cook) H. Balslev & A. Henderson in Brittonia, 39(1): 1 (1987), without exact basionym page: Ynesa *colenda*.  
*iguadummat* G.C. de Nevers in Ann. Missouri Bot. Gard., 74(3): 506 (1987)—Panama.

**ATUNA** (Chrysobalanac.).

*cordata* Cockburn ex G.T. Prance in Brittonia, 39(3): 364 (1987)—Borneo (Sabah).

*latifrons* (Kosterm.) G.T. Prance & F. White in Phil. Trans. Roy. Soc. London, B, 320(1197): 132 (1988): *Parinari* *latifrons*.

*racemosa*  
subsp. *excelsa* (Jack) G.T. Prance in Fl. Males., 10(4): 670 (1989): *Petrocarya* *excelsa*.

**AUBRIETA** (Crucif.).

*scardica* (Wettst.) L.-A. Gustavsson in A. Strid (ed.), Mount. Fl. Greece, 1: 271 (1986): A. *croatica* var. *scardica*.

**AULACOLEPIS** (Gramin.).

*treutleri*  
subsp. *japonica* (Hackel) T. Koyama, Grasses of Japan & Neighbour. Regions: 490 (1987): A. *japonica*.

**AULACOSPERMUM** (Umbellif.).

*coloratum* E.P. Korovin in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 3(60): 3 (1975)—U.S.S.R. (Middle Asia).  
*plicatum* M.G. Pimenov & E.V. Klyuikov in Bot. Zhurn., 75(1): 90 (1990)—U.S.S.R. (Middle Asia).

**AULONEMIA** (Gramin.).

*fulgor* T.R. Soderstrom in Brittonia, 40(1): 22 (1988)—Mexico.

*longiaristata* L.G. Clark & X. Londoño in Ann. Missouri Bot. Gard., 77(2): 353 (1990)—Ecuador.

*pumila* L.G. Clark & X. Londoño in Ann. Missouri Bot. Gard., 77(2): 356 (1990)—Colombia.

*robusta* L.G. Clark & X. Londoño in Ann. Missouri Bot. Gard., 77(2): 356 (1990)—Venezuela, Colombia.

**AULOSEPALUM** (Orchidac.).

*oestlundii* (Burns-Balogh) P.M. Catling in Lindleyana, 4(4): 185 (1989): *Deiregyne* *nelsonii* subsp. *oestlundii*.  
*pulchrum* (Schltr.) P.M. Catling in Lindleyana, 4(4): 185 (1989): *Spiranthes* *pulchra*.

**AURICULARDISIA** (Myrsinac.).

*moraviana* C.L. Lundell in Phytologia, 63(2): 74 (1987)—Costa Rica.

**AURICULARDISIA** :-

*sarapiquiensis* C.L. Lundell in Phytologia, 63(2): 74 (1987)—Costa Rica.

*spatulata* C.L. Lundell in Phytologia, 63(2): 75 (1987)—Costa Rica.

*tarariae* (Lundell) C.L. Lundell in Phytologia, 63(2): 75 (1987): *Ardisia* *tarariae*.

*trichomata* C.L. Lundell in Phytologia, 63(2): 75 (1987)—Costa Rica.

*wilburiana* C.L. Lundell in Phytologia, 63(2): 76 (1987)—Costa Rica.

**AUSTRALINA** (Urticac.).

sect. *Sarmentago* I. Friis & C.M. Wilmot-Dear in Nordic J. Bot., 8(1): 56 (1988).

*caffra* (Thunb.) D. Prain in Ann. Bot. (U.K.), 27: 388 (1913): *Urtica* *caffra*.

*pusilla*  
subsp. *muelleri* (Wedd.) I. Friis & C.M. Wilmot-Dear in Nordic J. Bot., 7(2): 126 (1987): A. *muelleri*.

**AUSTRALOPYRUM** (Gramin.).

*uncinatum* J.F. Veldkamp in Blumea, 34(1): 67 (1989)—New Guinea (Papua New Guinea).

*velutinum* (Nees) B.K. Simon in Austrobaileya, 2(3): 241 (1986): *Agropyron* *velutinum*.

**AUSTROBUXUS** (Euphorbiac.).

*cracens* G. McPherson in Fl. N. Caléd. & Dépend., 14: 216 (1987)—New Caledonia.

**AUSTROCEPHALOCEREUS** (Cactac.).

*estesvesii*  
subsp. *grandiflora* L. Diers & E. Esteves Pereira in Kakt. And. Sukk., 40(4): 81 (1989)—Brazil.  
subsp. *insigniflorus* L. Diers & E. Esteves Pereira in Kakt. And. Sukk., 39(11): 268 (1988)—Brazil.

**AUSTROCYNOGLOSSUM** M. Popov ex R.R. Mill

in Notes Roy. Bot. Gard. Edinburgh, 46(1): 43 (1989). **BORAGINACEAE**.

*latifolium* (R. Br.) R.R. Mill in Notes Roy. Bot. Gard. Edinburgh, 46(1): 44 (1989): *Cynoglossum* *latifolium*.

**AUSTROFESTUCA** (Gramin.).

*eripoda* (J.W. Vickery) S.W.L. Jacobs in Telopea, 3(4): 602 (1990): *Festuca* *eripoda*.

*hookeriana* (F. Muell.) S.W.L. Jacobs in Telopea, 3(4): 602 (1990): *Festuca* *hookeriana*.

*pubinervis* (Vickery) B.K. Simon in Austrobaileya, 2(3): 241 (1986): *Festuca* *pubinervis*.

*triticoides* (Trin.) E.B. Alekseev in Novosti Sist. Vyssh. Rast., 24: 15 (1987): *Arundo* *triticoides*.

**AUSTROMYRTUS** (Myrtac.).

*floribunda* (A.J. Scott) G.P. Guymer in Austrobaileya, 2(5): 569 (1988): *Backhousia* *floribunda*.

**AUSTROSTEENISIA** R. Geesink, Scala

Millettiarum (Leiden Bot. Ser., 8): 78 (1984). **LEGUMINOSAE**.

*blackii* (F. Muell.) R. Geesink, Scala Millettiarum (Leiden Bot. Ser., 8): 78 (1984): *Millettia* *blackii*.

*glabristyla* L.W. Jessup in Austrobaileya, 2(3): 243 (1986)—Australia (Queensland, New South Wales).

*stipularis* (C. White) L.W. Jessup in Austrobaileya, 2(3): 243 (1986): *Lonchocarpus* *stipularis*.

**AUSTROSYNOTIS** C. Jeffrey in Kew Bull., 41(4):

878 (1986). **COMPOSITAE**.

*rectirama* (Bak.) C. Jeffrey in Kew Bull., 41(4): 878 (1986): *Senecio* *rectiramus*.

**AUTUMNALIA** M.G. Pimenov in Bot. Zhurn.,

74(10): 1492 (1989). **UMBELLIFERAE**.

*botschantzevii* M.G. Pimenov in Bot. Zhurn., 74(10): 1493 (1989)—U.S.S.R. (Middle Asia).

*innopinata* M.G. Pimenov in Bot. Zhurn., 74(10): 1495 (1989)—U.S.S.R. (Middle Asia).

**AVENA** (Gramin.).

*agadiriana* B.R. Baum & G. Fedak in Canad. J. Bot., 63(8): 1379 (1985)—Morocco.

*atlantica* B.R. Baum & G. Fedak in Canad. J. Bot., 63(6): 1057 (1985)—Morocco.



**AVENA** :-

barbata

- subsp. lusitanica* (Tab. Mor.) C. Romero Zarco in *Lagascalia*, 14(1): 166 (1986): A. barbata subvar. lusitanica.
- discolor (Thuill.) A.-L.-S. Lejeune & R. Courtois, *Comp. Fl. Belg.*, 1: 69 (1828): Aira discolor.
- gaudiniana (Boiss.) L. Bouvier, *Fl. Alpes Suisse Savoie*, ed. 1: 741 (1878): Trisetum gaudinianum.
- ovata (Cav.) C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 34 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984): Basionym not stated.
- sulcata Gay ex Boissier, *Elench. Pl. Nov.*: 88 (1838)—Locality not stated.

**AVENELLA** (Gramin.).

flexuosa

- subsp. corsica* (Tausch) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): Aira corsica.

**AVENULA** (Gramin.).

bromoides

- subsp. crassifolia* (Font Quer) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): A. crassifolia.

hookeri

- subsp. schelliana* (Hackel) M.N. Lomonosova in *Fl. Sibir. (Poaceae)*, 2: 69 (1990): Avena schelliana.

pratensis

- subsp. gonzaloi* (Sennen) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 351 (1989), isonym; see C. Romero Zarco in *Lagascalia*, 13(1): 86 (1984): Avena gonzaloi.
- var. mirandana* (Sennen) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 351 (1989): Avena mirandana.
- subsp. vasconica* (Sennen) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 352 (1989): A. vasconica.
- vasconica* (Sennen ex St.-Yves) C. Gervais in *Bull. Soc. Neuchâtel. Sci. Nat.*, 104: 159 (1981): Avena pratensis var. vasconica.

**AVICENNIA** (Avicenniace.).

- integra* N.C. Duke in *Austral. Syst. Bot.*, 1(2): 178 (1988)—Australia (N. Terr.).

**AXINIPHYLLUM** (Compos.).

- durangense* B.L. Turner in *Madroño*, 34(2): 165 (1987)—Mexico.

**AXONOPUS** (Gramin.).

- casiquiarensis* G. Davidse in *Ann. Missouri Bot. Gard.*, 74(2): 419 (1987)—Venezuela, Colombia.
- chimantensis* G. Davidse in *Ann. Missouri Bot. Gard.*, 74(2): 418 (1987)—Venezuela.
- jeanyae* G. Davidse in *Ann. Missouri Bot. Gard.*, 74(2): 421 (1987)—Panama.
- rupestris* G. Davidse in *Ann. Missouri Bot. Gard.*, 74(2): 416 (1987)—Brazil.

**AXYRIS** (Chenopodiace.).

prostrata

- f. ovatifolia* T.P. Soong in *Fl. Sichuanica*, 4: 14 (1988)—China.

**AZADEHDELIA** G.J. Braem in Schlechteriana, 1(2): 34 (1988), nom. nov.: Cribbia Senghas (Orchidace.).

brachyceras (Summerh.) G.J. Braem in Schlechteriana, 1(2): 34 (1988): Aerangis brachyceras.

**AZADIRACHTA** A. Jussieu in Mirb. & Cass. apud Guill. in *Bull. Sci. Nat. Geol.*, 23: 236 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELIACEAE**.**AZILIA** I.C. Hedge & J.M. Lamond in *Fl. Iran.*, 162: 386 (1987). **UMBELLIFERAE**.eryngioides (Pau) I.C. Hedge & J.M. Lamond in *Fl. Iran.*, 162: 386 (1987): Prangos eryngioides.**AZORELLA** (Umbellif.).

- macquariensis* A.E. Orchard in *Muelleria*, 7(1): 16 (1989)—Macquarie Is.

**B****BACCAUREA** (Euphorbiace.).

- henii* N.N. Thün in *J. Biol. (Vietnam)*, 9(2): 37 (1987)—Vietnam.

**BACCHARIS** (Compos.).

- sect. Aristidentes* G.L. Nesom in *Phytologia*, 69(1): 42 (1990).
- sect. Baccharidastrum* (Cabrera) G.L. Nesom in *Phytologia*, 65(3): 170 (1988): gen. Baccharidastrum.
- sect. Glandulocarpae* G.L. Nesom in *Phytologia*, 69(1): 43 (1990).
- breviseta*
- var. colombianum* (Cuatr.) G.L. Nesom in *Phytologia*, 65(3): 171 (1988): Baccharidastrum argutum var. colombianum.
- buchtienii* H. Robinson in *Phytologia*, 65(1): 38 (1988)—Bolivia.
- confertoides* G.L. Nesom in *Phytologia*, 69(1): 35 (1990)—Mexico, Guatemala, Salvador, Honduras.
- glandulifera* G.L. Nesom in *Phytologia*, 69(1): 32 (1990)—Mexico.
- libertadensis* (S.B. Jones) H. Robinson in *Phytologia*, 65(1): 37 (1988): Vernonia libertadensis.
- monoica* G.L. Nesom in *Phytologia*, 65(2): 161 (1988)—Mexico, Guatemala, Salvador, Honduras, Nicaragua.
- polygama* L.A. Espinar in *Kurtziana*, 9: 83 (1976)—Argentina.
- schomburkii*
- subsp. occidentalis* J. Steyermark & B. Maguire in *Acta Bot. Venezuel.*, 14(3): 25 (1984)—Venezuela.
- solomonii* H. Robinson in *Phytologia*, 65(1): 40 (1988)—Bolivia, Peru.

**BACKHOUSIA** (Myrtac.).

- kingii* G.P. Guymner in *Austrobaileya*, 2(5): 567 (1988)—Australia (Queensland).

**BACOPA** (Scrophulariace.).

- cladostyla* Chod. ex U. Eskuche in *Folia Bot. Geobot. Correntesiana*, 3: 11 (1989)—Paraguay.
- pedersenii* R.A. Rossow in *Parodiana*, 4(1): 176 (1986)—Argentina, Paraguay, Brazil.

**BACTRIS** (Palmae).

- dardanoi* J.T. de Medeiros-Costa in *Prog. Resum. Soc. Bot. Brasil*, XXXVI Congr. Nac. Bot., Curitiba: 217 (1985), without latin descr. or type—Brazil.
- glassmanii* J.T. de Medeiros-Costa in *Prog. Resum. Soc. Bot. Brasil*, XXXVI Congr. Nac. Bot., Curitiba: 217 (1985), without latin descr. or type—Brazil.

**BACTRYLOBIUM** (Legumin.).

- baccilare* (L.) Hornem., *Hort. Hafn.*: 392 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Basionym not stated.
- javanica* (L.) Hornem., *Hort. Hafn.*: 392 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Cassia javanica.

**BAECKEA** (Myrtac.).

- tuberculata* M.E. Turgen in *Nuytsia*, 5(3): 441 (1986)—Australia (S. Australia).

**BALIOSPERMUM** (Euphorbiace.).

- angustifolium* Y.T. Chang in *Acta Phytotax. Sin.*, 27(2): 148 (1989)—Xizang.
- calycinum*
- var. bracteatum* T. Chakrabarty & N.P. Balakrishnan in *J. Econ. Taxon. Bot.*, 7(2): 359 (1985 publ. 1986)—India.
- densiflorum* D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 171 (1986)—Bhutan, Burma.
- malayanum* J.D. Hooker, *Fl. Brit. India*, 5: 463 (1888), as 'Baliosperum analayanum' in Index Kewensis Supp. 1—Borneo.†
- raziana* K.R. Keshava Murthy & S.N. Yoganarasimhan in *Current Sci.*, 56(10): 486 (1987)—India.
- solanifolium* (J. Burm.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rheede's Hort. Malab.*: 106 (1988): Croton solanifolius.

**BALIOSPERMUM** :-

- yui Y.T. Chang in *Acta Bot. Yunnanica*, 11(4): 413 (1989), with two types cited—China, Burma.

**BALOGHIA** (Euphorbiace.).

- inophylla* (Forst. f.) P.S. Green in *Kew Bull.*, 41(4): 1026 (1986): Croton inophyllus.
- neocaledonica* (S. Moore) G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 54 (1987): Ricinocarpos neocaledonicus.

**BALSAMITA** (Compos.).

major

- subsp. balsamitoides* (Schultz-Bip.) M. Kerguelen in *Lejeunia*, 120: 57 (1987): Tanacetum balsamitoides.

**BAMBUSA** (Gramin.).

- albofolia* T.H. Wen & Hua in *J. Bamboo Res.*, 8(1): 20 (1989)—China.
- albolineata* L.C. Chia in *Guihaia*, 8(2): 121 (1988), nom. nov.: B. textilis var. albo-striata McClure.
- angustiaurita* W.T. Lin in *Bamboo Res.*, 1983(2): 52 (1983)—China.
- atrovirens* T.H. Wen in *J. Bamboo Res.*, 5(2): 15 (1986)—China.
- cacharensis* R.B. Majumder in *Bull. Bot. Surv. India*, 25(1-4): 237 (1983 publ. 1985)—Assam.
- dissimilis* W.T. Lin in *Bamboo Res.*, 1983(2): 50 (1983)—China, Hainan.
- eutuldoides*
- var. viridivittata* (W.T. Lin) L.C. Chia in *Guihaia*, 8(2): 123 (1988): B. viridi-vittata.
- flavonoda* W.T. Lin in *Bamboo Res.*, 1986(2): 23 (1986), as 'flavo-noda'—China.
- latiflora* (Balansa) Nguyen in *Bot. Zhurn.*, 72(6): 829 (1987): B. vulgaris var. latiflora.
- lenta* L.C. Chia in *Guihaia*, 8(2): 125 (1988)—China.
- lingnanoides* W.T. Lin in *Acta Phytotax. Sin.*, 26(2): 146 (1988), nom. nov.: Lingnania parviflora McClure.
- longipalea* W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 224 (1988)—China.
- oldhamii*
- f. revoluta* W.T. Lin & J.Y. Lin in *Acta Phytotax. Sin.*, 26(3): 225 (1988)—China.
- parvifolia* W.T. Lin in *Bamboo Res.*, 1986(2): 22 (1986)—China.
- pervariabilis*
- var. viridistriata* Q.H. Dai & X.C. Liu in *Acta Phytotax. Sin.*, 24(5): 395 (1986), as 'viridistriata'—Cultivation.
- textilis*
- var. purpurascens* N.H. Xia in *Bamboo Res.*, 1985(1): 38 (1985)—China.
- valida* (Q.H. Dai) W.T. Lin in *Guihaia*, 10(1): 15 (1990): Dendrocalamopsis validus.
- vinhphuensis* Nguyen in *Bot. Zhurn.*, 72(6): 828 (1987)—Vietnam.
- viridivittata* W.T. Lin in *Bamboo Res.*, 1983(2): 54 (1983), as 'viridi-vittata'—China.

**BANCROFTIA** Porter in *Gaceta de Venez.*, 370: 3 (25 Feb. 1838); cf. D.J. Mabberley in *Taxon*, 30(1): 11 (1981). **LABIATAE**.decipiens R.K. Porter in *Gaceta de Venez.*, 30(1): 11 (1838); cf. D.J. Mabberley in *Taxon*, 30(1): 11 (1981)—?Venezuela.**BANISTERIA** (Malpighiace.).

- volubilis* (Sims) Endl., *Cat. Horti Vindob.*, 2: 375 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): Basionym not stated.

**BANKSIA** (Proteac.).

- ser. Bauerinae* A.S. George in *Nuytsia*, 6(3): 309 (1988).
- acicularis* (Vent.) Parmentier, *Cat. Pl. Enghien*: 11 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.
- epica* A.S. George in *Nuytsia*, 6(3): 310 (1988)—Australia (W. Australia).
- leptophylla*
- var. melletica* A.S. George in *Nuytsia*, 6(3): 314 (1988), as 'melletica'—Australia (W. Australia).



- BANKSIA** :-  
 oblongifolia  
   var. minor (*Maiden & Camfield*) J.G. Conran & H.T. Clifford in *Brunonia*, 10(2): 186 (1987): B. latifolia var. minor.  
 occidentalis  
   subsp. formosa S.D. Hopper in *Nuytsia*, 7(1): 21 (1989)—Australia (W. Australia).  
 oligantha A.S. George in *Nuytsia*, 6(3): 312 (1988)—Australia (W. Australia).  
 pugioniformis (*Cav.*) *Parmentier*, *Cat. Pl. Enghien*: 12 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.  
 saligna (*Salisb.*) *Parmentier*, *Cat. Pl. Enghien*: 12 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.  
 seminuda  
   subsp. remanens S.D. Hopper in *Nuytsia*, 7(1): 16 (1989)—Australia (W. Australia).  
 spinulosa  
   var. neanglica A.S. George in *Nuytsia*, 6(3): 315 (1988)—Australia (New South Wales, Queensland).
- BAPHICACANTHUS** (*Acanthac.*).  
 multibracteolata H.T. Chang & H. Chu in *Acta Sci. Nat. Univ. Sunyatseni*, 28(2): 65 (1989)—China.
- BAPTISIA** (*Legumin.*).  
 alba  
   var. macrophylla (*Larisey*) D. Isely in *Sida*, 11(4): 435 (1986): B. pendula var. macrophylla.  
 uniflora (*Michaux*) Sm. in *Rees, Cyclop.*, 39(2): Baptisia n. 2 (1819); cf. D.J. Mabberley in *Taxon*, 32(1): 81 (1983): Basionym not stated.
- BAPTORHACHIS** W.D. Clayton & S.A. Renvoize, *Genera Graminum* (Kew Bull. Addit. Ser. 13): 377, 298 (1986). *GRAMINEAE*.  
 foliacea (*Clayton*) W.D. Clayton in *Kew Bull.*, 42(2): 401 (1987): *Stereochlaena foliacea*.
- BARBAREA** (*Crucif.*).  
 arisanensis (*Hayata*) S.S. Ying, *Alp. Pl. Taiwan in Color*, 2: 170 (1978): *Cardamine arisanensis*.  
 minor  
   var. anfractuosa P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 316 (1987)—Turkey.
- BARBOSELLA** (*Orchidac.*).  
 dussii (*Cogn.*) D.D. Dod in *Moscovia*, 4: 192 (1986): *Pleurothallis dussii*.
- BARJONIA** (*Asclepiadac.*).  
 harleyi J. Fontella Pereira & N. Marquete Ferreira da Silva in *Kew Bull.*, 42(3): 663 (1987)—Brazil.
- BARKERIA** (*Orchidac.*).  
 obovata (*Presl*) E.A. Christenson in *Lindleyana*, 3(4): 221 (1988 publ. 1989): *Oncidium obovatum*.
- BARKHAUSIA** (*Compos.*).  
 chaetocephala A. Bunge, *Beitr. Fl. Russl.*: 208 (1852)—U.S.S.R. (Middle Asia).†  
 leucocephala A. Bunge, *Beitr. Fl. Russl.*: 209 (1852)—U.S.S.R.†  
 melanocephala A. Bunge, *Beitr. Fl. Russl.*: 209 (1852)—U.S.S.R. (Middle Asia).†
- ×**BARKONITIS** hort. in *Orchid Rev.*, 96(1141): centre page pull-out p. 8 (1988). *ORCHIDACEAE*. (*Barkeria* × *Sophranitis*).
- BARLERIA** (*Acanthac.*).  
 hillcoatiae J.R.I. Wood in *Kew Bull.*, 41(1): 222 (1986)—Yemen.  
 integrispala H.P. Tsui in *Acta Bot. Yunnanica*, 12(3): 270 (1990)—China.  
 observatrix J. Bosser & H. Heine in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 145 (1988)—Mauritius.
- BARNARDIA** (*Liliac.*).  
 numidica (*Poir.*) F. Speta in *Lin. Biol. Beitr.*, 18(2): 402 (1986): *Scilla numidica*.
- BARONGIA** Peter G. Wilson & B.P.M. Hyland in *Telopea*, 3(2): 257 (1988). *MYRTACEAE*.  
 lophandra Peter G. Wilson & B.P.M. Hyland in *Telopea*, 3(2): 258 (1988)—Australia (Queensland).
- BARRINGTONIA** (*Lecythidac.*).  
 integrifolia (*Montr.*) A. Guillaumin & G. Beauvisage in *Ann. Soc. Bot. Lyon*, 38: 92 (1913 publ. 1914); et *Sp. Montrouz.*: 18 (1914) (reprint): *Stravadium integrifolium*.†
- BARROSOA** (*Compos.*).  
 atlantica R.M. King & H. Robinson in *Phytologia*, 65(1): 62 (1988)—Brazil.
- BARTLETTINA** (*Compos.*).  
 tamaulipana (B.L. Turner) R.M. King & H. Robinson in *Phytologia*, 65(1): 63 (1988): *Eupatorium tamaulipanum*.
- BASANANTHE** (*Passiflorac.*).  
 aristolochioides A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 228 (1989)—Zaire.  
 botryoidea A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 231 (1989)—Zaire.  
 cupricola A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 234 (1989)—Zaire.  
 kundelunguensis A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 236 (1989)—Zaire.  
 malaissei A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 238 (1989)—Zaire.  
 merolae F.M. Raimondo & G. Moggi in *Delpinoa*, 23-24: 326 (1981-1982 publ. 1985)—Somali Republic.  
 scabrida A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 239 (1989)—Zaire.
- BASHANIA** (*Gramin.*).  
 auctaurita T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 27 (1986)—China.  
 spanostachya T.P. Yi in *Acta Bot. Yunnanica*, 11(1): 35 (1989)—China.
- BASSIA** (*Chenopodiace.*).  
 scoparia  
   subsp. densiflora (*Turcz. ex Aellen*) S. Cirujano & M. Velayos in *An. Jard. Bot. Madrid*, 44(2): 577 (1987): *Kochia densiflora*.  
 sieversiana (*Pallas*) W.A. Weber in *Phytologia*, 67(6): 426 (1989): *Suaeda sieversiana*.
- BASTARDIASTRUM** (*Malvac.*).  
 batesii P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 544 (1987)—Mexico.  
 tarasoides P.A. Fryxell, *Malvac. of Mexico* (*Syst. Bot. Monog.*, 25): 126 (1988)—Mexico.
- BATESIMALVA** (*Malvac.*).  
 lobata J.A. Villarreal-Quintanilla & P.A. Fryxell in *Acta Bot. Mex.*, 11: 19 (1990)—Mexico.
- BATOPEDINA** (*Rubiace.*).  
 pulvinellata  
   subsp. glabrifolia E. Robbrecht in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 148 (1986)—Zaire.
- BATRACHIUM** (*Ranunculac.*).  
 setosissimum (*Khokhr.*) A.P. Khokhryakov & V.N. Pavlov in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 94(5): 99 (1989): B. mongolicum subsp. setosissimum.
- BAUHINIA** (*Legumin.*).  
 ser. Aboriginae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987).  
 ser. Acuminatae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 13 (1987).  
 ser. Africanae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).  
 sect. Afrobaubinia R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 16 (1987).  
 sect. Alvesia (*Welwitsch*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 14 (1987): gen. Alvesia.  
 ser. Ariaria (*Cuervo Marquez*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 13 (1987): gen. Ariaria.  
 ser. Aurantiacae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987).  
 ser. Australes R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).  
 sect. Austrocercis (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 21 (1987): *Phanera* subgen. Austrocercis.  
 subgen. Barklya (*F. von Mueller*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 18 (1987): gen. Barklya.  
 subsect. Binaria (*Rafinesque*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 25 (1987): gen. Binaria.  
 subsect. Bracteolanthus (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 22 (1987): gen. Bracteolanthus.  
 ser. Cansenia (*Rafinesque*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 12 (1987): gen. Cansenia.  
 subsect. Championae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 21 (1987).  
 ser. Chloroxanthae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 20 (1987): *Phanera* subsect. Chloroxanthae.  
 subsect. Clavatae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 20 (1987): *Phanera* subsect. Clavatae.  
 ser. Clavatae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 20 (1987): *Phanera* subsect. Clavatae.  
 ser. Corymbosae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 19 (1987): *Phanera* subsect. Corymbosae.  
 ser. Coulterae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 12 (1987).  
 ser. Decandrae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 14 (1987).  
 ser. Dipetalae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 12 (1987).  
 ser. Dipterae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).  
 subgen. Elayuna (*Rafinesque*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987): gen. Elayuna.  
 subsect. Fulvae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 19 (1987): *Phanera* subsect. Fulvae.  
 ser. Fulvae (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 19 (1987): *Phanera* subsect. Fulvae.  
 ser. Galpiniae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987).  
 ser. Hookerae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).  
 ser. Insignes (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 20 (1987): *Phanera* subsect. Insignes.  
 subsect. Latisiliquae R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 25 (1987).  
 ser. Loxocalyx (*Benth*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 20 (1987): B. sect. Loxocalyx.  
 sect. Micralvesia R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 14 (1987).  
 ser. Monoteles (*Rafinesque*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 15 (1987): gen. Monoteles.  
 sect. Palmatifolia (*de Wit*) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 22 (1987): *Phanera* sect. Palmatifolia.

**BAUHINIA :-**

- ser. *Pentandrae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 13 (1987).
- ser. *Perlebiana* (Martius) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 13 (1987): gen. *Perlebiana*.
- ser. *Perplexae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987).
- subgen. *Phanera* (Loureiro) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 18 (1987): gen. *Phanera*.
- sect. *Phanera* (Loureiro) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 18 (1987): gen. *Phanera*.
- subsect. *Phanerosiphon* (de Wit) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 19 (1987): *Phanera* sect. *Phanerosiphon*.
- ser. *Porosae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 17 (1987).
- sect. *Pseudobauhinia* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 25 (1987).
- sect. *Pseudophanera* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 16 (1987).
- subsect. *Pullae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 21 (1987).
- ser. *Purpureae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 15 (1987).
- subsect. *Racemosae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 15 (1987).
- ser. *Remotae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 12 (1987).
- subsect. *Scandentes* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 21 (1987).
- sect. *Semla* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 24 (1987).
- ser. *Stenanthae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 14 (1987).
- sect. *Telestria* (Rafinesque) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 15 (1987): gen. *Telestria*.
- subsect. *Tournaya* (Schmitz) R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987): gen. *Tournaya*.
- ser. *Triandrae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 14 (1987).
- sect. *Tubicalyx* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).
- subsect. *Viridescens* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 15 (1987).
- ser. *Winitae* R. Wunderlin, K. Larsen & S.S. Larsen in *Kong. Danske Vidensk. Selsk., Biol. Skr.*, 28: 23 (1987).
- argentinensis  
var. *megasisphon* (Burkart) R.H. Fortunato in *Darwiniana*, 27(1-4): 548 (1986): B. *megasisphon*.
- brachycarpa  
var. *cavaleriei* (Levl.) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 162 (1988): B. *cavaleriei*.
- championii  
var. *yingtakensis* (Merr. & Metc.) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 174 (1988): B. *yingtakensis*.
- chrysophylla K. Larsen & S.S. Larsen in *Nordic J. Bot.*, 9(3): 253 (1989)—Thailand.
- damiaoshanensis T.C. Chen in *Guihaia*, 8(1): 49 (1988)—China.
- forficata  
subsp. *pruinosa* (Vog.) R.H. Fortunato & Wunderlin in *Darwiniana*, 27(1-4): 550 (1986): B. *pruinosa*.

**BAUHINIA :-**

- glaucia  
subsp. *caterviflora* (L. Chen) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 196 (1988): B. *caterviflora*.
- subsp. *hupehana* (Craib) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 194 (1988): B. *hupehana*.
- subsp. *pernervosa* (L. Chen) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 196 (1988): B. *pernervosa*.
- gypsicola R. McVaugh, *Fl. Novo-Galiciana*, 5: 14 (1987)—Mexico.
- hypochrysa T.C. Chen in *Guihaia*, 8(1): 47 (1988)—China.
- hypoglauca Tang & Wang ex T.C. Chen in *Guihaia*, 8(1): 44 (1988)—China.
- hasiana  
var. *tomentella* T.C. Chen in *Guihaia*, 8(1): 46 (1988)—China.
- leucantha M. Thulin in *Nordic J. Bot.*, 9(1): 51 (1989)—Somali Republic.
- lingyuenensis T.C. Chen in *Guihaia*, 8(1): 45 (1988)—China.
- longistipes T.C. Chen in *Guihaia*, 8(1): 43 (1988)—China.
- ornata  
var. *austrosinensis* (Tang & Wang) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 193 (1988): B. *austrosinensis*.
- var. *contigua* T.C. Chen in *Guihaia*, 8(1): 48 (1988)—China.
- ovatifolia T.C. Chen in *Guihaia*, 8(1): 50 (1988)—China.
- paucinervata T.C. Chen in *Guihaia*, 8(1): 46 (1988)—China.
- pinheiroi R.P. Wunderlin in *Phytologia*, 62(2): 89 (1987)—Brazil.
- quinnanensis T.C. Chen in *Guihaia*, 8(1): 48 (1988)—China.
- scandens  
var. *anguina* (Roxb.) H. Ohashi in *J. Jap. Bot.*, 63(4): 159 (1988): B. *anguina*.
- var. *horsfieldii* (Miq.) H. Ohashi in *Enum. Fl. Pl. Nepal*, 2: 108 (1979): *Lasiobema horsfieldii*.
- sessilifolia (Mutis ex DC.) L.M. Quiñones in *Ann. Missouri Bot. Gard.*, 75(3): 1156 (1988): *Amaria sessilifolia*.
- venustula T.C. Chen in *Guihaia*, 8(1): 45 (1988)—China.
- viridescens  
var. *laui* (Merr.) T.C. Chen in *Fl. Reipubl. Popul. Sin.*, 39: 160 (1988): B. *laui*.

**BEADLEA** (Orchidac.).

- pringlei (S. Wats.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet Harvard Univ.*, 30(3): (47) 181 (1985 publ. 1986): *Spiranthes pringlei*.

**BEAUCARNEA** (Dracaenac.).

- glaucia (Lem.) Hereman, *Pact. Bot. Dict.*: 602 (1868); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.

**BEAUFORTIA** (Myrtac.).

- bicolor A. Strid in *Pl. Syst. Evol.*, 155(1-4): 339 (1987)—Australia (W. Australia).

**BECCARIANTHUS** (Melastomatac.).

- acutifolius (Mansf.) J.F. Maxwell in *Blumea*, 35(1): 154 (1990): *Everettia acutifolia*.
- insignis (K. Schum. & Lauterb.) J.F. Maxwell in *Blumea*, 35(1): 155 (1990): *Bamleria insignis*.
- octodontus (Merr.) J.F. Maxwell in *Blumea*, 35(1): 155 (1990): *Everettia octodonta*.
- puberulus (Merr.) J.F. Maxwell in *Blumea*, 35(1): 155 (1990): *Everettia puberula*.
- pulcherrimus (Merr.) J.F. Maxwell in *Blumea*, 35(1): 155 (1990): *Everettia pulcherrima*.
- rufolanatus J.F. Maxwell in *Blumea*, 35(1): 156 (1990)—New Guinea (Papua New Guinea).

**BECCARINDA** (Gesneriac.).

- minima K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 437 (1988)—China.

**BECIUM** (Labiata.).

- subgen. *Monobecium* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 419: 34 (1988).

**BECIUM :-**

- subgen. *Orthobecium* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987).
- sect. *Serpyllifolium* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987).
- aureoviride  
var. *lupotoense* (DuRoi.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 284 (1987): B. *aureoviride* subsp. *lupotoense*.
- var. *peschianum* (DuRoi.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 285 (1987): B. *peschianum*.
- var. *thymifolium* (DuRoi.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 285 (1987): B. *thymifolium*.
- bequaertii (De Wild.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 285 (1987): *Ocimum bequaertii*.
- centrali-africanum (R.E. Fries) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987): *Ocimum centrali-africanum*.
- var. *linearifolium* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 270 (1987)—Zaire.
- choanum  
var. *longifolium* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 270 (1987)—Zaire.
- dhofarensis O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 7 (1987), nom. nov.: *Orthosiphon comosus* Baker.
- duvigneaudii F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 273 (1987)—Zaire, Zambia.
- fimbriatum (Briq.) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987): *Ocimum fimbriatum*.
- var. *angustilanceolatum* (De Wild.) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987): *Ocimum angustilanceolatum*.
- var. *bequaertii* (De Wild.) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 419: 49 (1988): *Ocimum bequaertii*.
- var. *ctenodon* (Gilli) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 405: 10 (1987): B. *ctenodon*.
- var. *microphyllum* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 419: 51 (1988)—Zambia.
- grandiflorum  
var. *albestellatum* (Verdcourt) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 48 (1989): B. *albestellatum*.
- var. *capitatum* (Agnew) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 20 (1989): B. *capitatum*.
- var. *decumbens* (Gürke) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 25 (1989): *Ocimum decumbens*.
- var. *ericoides* (Duvigneaud & Plancke) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 55 (1989): B. *ericoides*.
- var. *frutescens* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 40 (1989)—Malawi, Zambia.
- var. *galpinii* (Gürke) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 44 (1989): *Ocimum galpinii*.
- var. *latifolium* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 46 (1989)—Angola.
- var. *mearnsii* Ayobangira ex O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 23 (1989)—Kenya, Tanzania.
- var. *metallorum* (Duvigneaud) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 52 (1989): B. *metallorum*.
- var. *obovatum* (E. Mey. ex Benth.) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 29 (1989): *Ocimum obovatum*.
- var. *rubrocostatum* (Robyns & Lebrun) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 28 (1989): *Ocimum rubrocostatum*.
- var. *stuhlmannii* (Gürke) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 43 (1989): *Ocimum stuhlmannii*.
- var. *turkanaense* O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 39 (1989)—Kenya.
- var. *urundense* (Robyns & Lebrun) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 24 (1989): *Ocimum urundense*.
- var. *vanderystii* (De Wildeman) O. Sebold in *Stuttgarter Beitr. Naturk.*, A, 437: 50 (1989): *Ocimum vanderystii*.

**BECIUM**:-

- hirtii* Plancke ex F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 274 (1987)—Zaire.
- irvinei* (Morton) O. Sebald in *Stuttgarter Beitr. Naturk.*, A, 419: 34 (1988): *Ocimum irvinei*.
- kafupa* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 274 (1987)—Zaire.
- knyanum*  
var. *diffusum* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 274 (1987)—Kenya, Ethiopia.
- minutiflorum* O. Sebald in *Stuttgarter Beitr. Naturk.*, A, 405: 11 (1987)—Burundi, Rwanda, Uganda, Tanzania, Zambia, Zimbabwe.
- mitwabense* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 277 (1987)—Zaire.
- monocotyloides* Plancke ex F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 283 (1987)—Zaire.
- obovatum*  
var. *macrocaulon* (Brig.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 285 (1987): *Ocimum hians* var. *macrocaulon*.
- var. *manikense* F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 283 (1987)—Zaire.
- var. *modestum* (Brig.) F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 285 (1987): *Ocimum modestum*.
- vandenbrandei* DuRoi. & Plancke ex F.X. Ayobangira in *Etud. Rwandaises, Sci. Nat. Appl.*, 1(3): 284 (1987)—Zaire.

**BEGONIA** (Begoniaceae).

- alcarrasica* J. Sierra Calzado in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(2): 104 (1989)—Cuba.
- amphioxus* M.J.S. Sands in *Kew Mag.*, 7(2): 81 (1990)—Borneo (Sabah).
- austrotaiwanensis* Y.K. Chen & C.I. Peng in *J. Arnold Arbor.*, 71(4): 567 (1990)—Taiwan.
- banaoensis* J. Sierra Calzado in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(2): 106 (1989)—Cuba.
- bissei* J. Sierra Calzado in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(2): 105 (1989)—Cuba.
- brandbygeana* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 54 (1986)—Ecuador.
- breedlovei* K. Burt-Utley in *Brittonia*, 38(4): 336 (1986)—Mexico.
- brevipetala*  
var. *luteyniorum* L.B. Smith & D.C. Wasshausen in *Phytologia*, 64(1): 77 (1987), as '*luteynorum*'—Venezuela.
- cauliflora* M.J.S. Sands in *Kew Mag.*, 7(2): 72 (1990)—Borneo (Sabah).
- chiapensis* K. Burt-Utley in *Brittonia*, 38(4): 333 (1986)—Mexico.
- erythrogyna* M.J.S. Sands in *Kew Mag.*, 7(2): 84 (1990)—Borneo (Sabah).
- fenchihuensis* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 618 (1988)—Taiwan.
- holmnielseniana* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 62 (1986)—Ecuador.
- imbricata* M.J.S. Sands in *Kew Mag.*, 7(2): 68 (1990)—Borneo (Sabah).
- jaliscana* K. Burt-Utley in *Brittonia*, 38(4): 335 (1986)—Mexico.
- kinabaluensis* M.J.S. Sands in *Kew Mag.*, 7(2): 76 (1990)—Borneo (Sabah).
- leivae* J. Sierra Calzado in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(2): 103 (1989)—Cuba.
- lugonis* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 55 (1986)—Ecuador.
- lyman-smithii* K. Burt-Utley & J.F. Utley in *Brittonia*, 39(1): 59 (1987)—Mexico.
- malachosticta* M.J.S. Sands in *Kew Mag.*, 7(2): 64 (1990)—Borneo (Sabah).
- manicata*  
var. *aureomaculata* R. Ziesenhenné in *Begonia*, 55(5-6): 89 (1988), as '*aureo-maculata*'—Mexico.
- var. *manicativiridi* R. Ziesenhenné in *Begonia*, 55(5-6): 89 (1988)—Mexico.
- var. *ocozocautlaensis* R. Ziesenhenné in *Begonia*, 55(5-6): 89 (1988)—Mexico.
- mariti* K. Burt-Utley in *Brittonia*, 42(1): 40 (1990)—Mexico.

**BEGONIA**:-

- masoniana*  
var. *maculata* S.K. Chen, R.X. Zheng & D.Y. Xia in *Acta Bot. Yunnanica*, 8(2): 222 (1986)—China.
- napoensis* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 63 (1986)—Ecuador.
- oellgaardii* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 59 (1986)—Ecuador.
- pectennervia* L.B. Smith & D.C. Wasshausen in *Fl. Ecuador*, 25(133): 59 (1986)—Ecuador.
- rafael-torresii* K. Burt-Utley in *Brittonia*, 42(1): 38 (1990)—Mexico.
- ravenii* C.I. Peng & Y.K. Chen in *Bot. Bull. Acad. Sin.*, n.s., 29(3): 217 (1988)—Taiwan.
- solimutata* L.B. Smith & D.C. Wasshausen in *Begonia*, 57(11-12): 217 (1990)—Cultivation.
- stenophylla* J. Sierra Calzado in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(1): 18 (1989)—Cuba.
- taiwaniana*  
var. *albomaculata* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 623 (1988), as '*albo-maculata*'—Taiwan.
- umbraculifolia* Y. Wan & B.N. Chang in *Acta Phytotax. Sin.*, 25(4): 322 (1987)—China.
- BEILSCHMIEDIA** (Laurac.).  
*brunnea* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 149 (1989)—Australia (Queensland).
- castrisensis* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 150 (1989)—Australia (Queensland).
- collina* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 151 (1989)—Australia (Queensland).
- deomalica* S.S.R. Bennet & S. Chandra in *Indian J. Forest.*, 9(3): 273 (1986 publ. 1987)—India.
- peninsularis* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 154 (1989)—Australia (Queensland).
- recurva* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 155 (1989)—Australia (Queensland).
- supraglandulosa* Y.K. Li in *Guihaia*, 5(4): 344 (1985)—China.
- tooram* (Bailey) B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 156 (1989): *Endiandra tooram*.
- volckii* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 156 (1989)—Australia (Queensland).

- BEISELIA** L.L. Forman in *Kew Bull.*, 42(1): 262 (1987). **BURSERACEAE**.
- mexicana* L.L. Forman in *Kew Bull.*, 42(1): 262 (1987)—Mexico.

**BELAMCANDA** (Iridaceae).

- chinensis*  
var. *taiwanensis* S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4: *Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 237 (1980)—Taiwan.

**BELLEVALIA** (Hyacinthaceae).

- heweri* P. Wendelbo in *Fl. Iran.*, 165: 154 (1990)—Iran.
- zoharyi*  
var. *pyricarpa* (Feinbr.) N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 67 (1986): *B. zoharyi* subsp. *pyricarpa*.

**BELLUCIA** (Melastomataceae).

- beckii* S.S. Renner in *Mem. New York Bot. Gard.*, 50: 28 (1989)—Bolivia, Brazil.
- huberi* (Wurdack) S.S. Renner in *Mem. New York Bot. Gard.*, 50: 28 (1989): *Loreya huberi*.

**BELOGLOTTIS** (Orchidaceae).

- laxispica* P.M. Catling in *Rhodora*, 89(857): 13 (1987)—Mexico.

**BELOVIA** (Chenopodiaceae).

- paradoxa* A. Bunge, *Beitr. Fl. Russl.*: 286 (1852)—U.S.S.R. (Middle Asia).†

**BENNETTIODENDRON** (Flacourtiaceae).

- leprosipes*  
var. *pilosum* G.S. Fan & Y.C. Hsu in *Guihaia*, 9(1): 32 (1989)—China.
- shangsiense* X.X. Chen & J.Y. Luo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 163 (1986)—China.

**BENOISTIA** (Euphorbiaceae).

- orientalis* A. Radcliffe-Smith in *Kew Bull.*, 43(4): 633 (1988)—Madagascar.

- BENTLEYA** E.M. Bennett in *Nuytsia*, 5(3): 401 (1986). **PITTOSPORACEAE**.
- spinescens* E.M. Bennett in *Nuytsia*, 5(3): 402 (1986)—Australia (W. Australia).

**BENZINGIA** C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 5: t. 406 (1989), holotype not indicated. **ORCHIDACEAE**.

- estradae* (Dodson) C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 5: t. 406 (1989), generic name not validly publ.: *Chondrorhyncha estradae*.
- hirtzii* C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 5: t. 406 (1989), generic name not validly publ.—Ecuador.

**BERBERIS** (Berberidaceae).

- sect. *Thyrsiflorae* J.S. Marroquin & S. Zamudio-Ruiz in *Southwest. Nat.*, 32(4): 487 (1987).
- ahrendtii* R.R. Rao & B.P. Uniyal in *Indian J. Forest.*, 8(4): 334 (1985 publ. 1986), nom. nov.: *B. lycioides* Stapf.
- albicans* S. Zamudio-Ruiz & J.S. Marroquin in *Southwest. Nat.*, 32(4): 483 (1987)—Mexico.
- brachystachys* T.S. Ying in *Fl. Xizangica*, 2: 137 (1985)—Xizang.
- campylotropa* T.S. Ying in *Fl. Xizangica*, 2: 152 (1985)—Xizang.
- chingii*  
subsp. *subedentata* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 9 (1986)—China.
- subsp. *wulingensis* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 9 (1986)—China.
- fujianensis* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 5 (1986)—China.
- gilungensis* T.S. Ying in *Fl. Xizangica*, 2: 134 (1985)—Xizang.
- hajirensis* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 17 (1987)—Pakistan.
- hispanica*  
subsp. *seroi* (O. Bolós & Vigo) S. Rivas-Martínez, J. Loidi & C. Arnáiz in *Lazaroa*, 8: 8 (1985 publ. 1986): *B. vulgaris* subsp. *seroi*.
- hypericifolia* T.S. Ying in *Fl. Xizangica*, 2: 140 (1985)—Xizang.
- jaeschkeana*  
var. *apiculata* (Ahrendt) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 25 (1990): *B. usteriana* var. *apiculata*.
- jiangxiensis* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 9 (1986)—China.
- var. *pulchella* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 10 (1986)—China.
- longispina* T.S. Ying in *Fl. Xizangica*, 2: 148 (1985)—Xizang.
- multicaulis* T.S. Ying in *Fl. Xizangica*, 2: 147 (1985)—Xizang.
- multiserrata* T.S. Ying in *Fl. Xizangica*, 2: 139 (1985)—Xizang.
- nullinervis* T.S. Ying in *Fl. Xizangica*, 2: 141 (1985)—Xizang.
- oblanceifolia* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 12 (1986)—China.
- obovatifolia* T.S. Ying in *Fl. Xizangica*, 2: 146 (1985)—Xizang.
- pakistanica* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 19 (1987)—Pakistan.
- parapruinosa* T.S. Ying in *Fl. Xizangica*, 2: 145 (1985)—Xizang.
- photiniaefolia* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 4 (1986)—China.
- pseudotibetica* C.Y. Wu ex S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 159 (1987), as '*pseudo-tibetica*'—China.
- purangensis* T.S. Ying in *Fl. Xizangica*, 2: 133 (1985), as '*pulangensis*'—Xizang.
- racemulosa* T.S. Ying in *Fl. Xizangica*, 2: 129 (1985)—Xizang.
- sabulicola* T.S. Ying in *Fl. Xizangica*, 2: 133 (1985)—Xizang.
- tianbaoshanensis* S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 158 (1987)—China.
- trichiata* T.S. Ying in *Fl. Xizangica*, 2: 125 (1985)—Xizang.
- umbratica* T.S. Ying in *Fl. Xizangica*, 2: 135 (1985)—Xizang.
- vinifera* T.S. Ying in *Fl. Xizangica*, 2: 142 (1985)—Xizang.
- wuyiensis* C.M. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 7 (1986)—China.

**BERCHEMIELLA** (Rhamnace.).

wilsonii

var. pubipetiolata *H. Qian in Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 124 (1988), with two types cited—China.

**BERGENIA** (Saxifragace.).

sect. Ciliatae (A. Boriss.) *J.T. Pan in Acta Phytotax. Sin.*, 26(2): 124 (1988): B. ser. Ciliatae.

sect. Scopulosae *J.T. Pan in Acta Phytotax. Sin.*, 26(2): 122 (1988).

emeiensis C.Y. Wu ex *J.T. Pan in Acta Phytotax. Sin.*, 26(2): 124 (1988)—China.

pacumbis (*Buch.-Ham. ex D. Don*) C.Y. Wu & *J.T. Pan in Acta Phytotax. Sin.*, 26(2): 126 (1988): Saxifraga pacumbis.

**BERGERA** (Rutace.).

integerrima *F. Buchanan-Hamilton ex A.P. de Candolle, Prodrumous*, 1: 537 (1824); *fide D.J. Mabberley in Taxon*, 26(5-6): 537 (1824)—India.

**BERGIA** (Elatinac.).

auriculata *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 91 (1989)—Australia (W. Australia).

barklyana *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 89 (1989)—Australia (N. Terr.).

diacheiron *Verdon ex G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 97 (1989)—Australia (N. Terr., Queensland, S. Australia).

henshallii *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 83 (1989)—Australia (N. Terr., W. Australia).

occultipetala *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 95 (1989)—Australia (N. Terr., S. Australia).

perennis

subsp. exigua *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 89 (1989)—Australia (S. Australia, W. Australia, Queensland).

subsp. obtusifolia *G.J. Leach in J. Adelaide Bot. Gard.*, 11(2): 87 (1989)—Australia (N. Terr., W. Australia, S. Australia).

**BERINGERIA** (Labiat.).

cinerea (*Desr.*) *Benth. ex G. Don f. in Loud., Hort. Brit.*: 483 (1830); *cf. D.J. Mabberley in Taxon*, 31(1): 69 (1982): Basionym not stated.

**BERKHEYA** (Compos.).

leucaugeta *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 183 (1988 publ. 1989)—South Africa (Natal).

**BERLANDIERA** (Compos.).

lyrata

var. monocephala *B.L. Turner in Phytologia*, 64(3): 205, 206 (1988)—Hawaiian Is.

**BERNARDIA** (Euphorbiac.).

laurentii *R.A. Howard in Phytologia*, 61(1): 2 (1986)—Windward Is.

**BERTYA** (Euphorbiac.).

glabrescens (C. White) *G.P. Guymer in Austrobaileya*, 2(5): 429 (1988): B. oleifolia var. glabrescens.

ingramii *T.A. James in Telopea*, 3(2): 285 (1988)—Australia (New South Wales).

sharpeana *G.P. Guymer in Austrobaileya*, 2(5): 427 (1988)—Australia (Queensland).

**BERUNIELLA** K.Z. Zakirov & M.M. Nabiev in

*Opred. Rast. Sred. Azii*, 8: 169 (1986). **BORAGINACEAE.**

micrantha (Pall.) K.Z. Zakirov & M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 169 (1986): Onosma micranthos.

**BESCHORNERIA** (Agavac.).

calicicola A. García-Mendoza in *Herbertia*, 42: 28 (1986)—Mexico.

septentrionalis A. García-Mendoza in *Cact. Suc. Mex.*, 33(1): 3 (1988)—Mexico.

**BESLERIA** (Gesneriac.).

arbusta *L.E. Skog in Op. Bot.*, 92: 231 (1987)—Peru.

steyermarkiorum *Wiehler ex L.E. Skog in Op. Bot.*, 92: 233 (1987)—Venezuela.

**BETA** (Chenopodiace.).

vulgaris

var. asiatica *V.I. Burenin in Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 161: 69 (1986)—Cultivation.

var. rubra *V.I. Burenin in Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 161: 70 (1986)—Cultivation.

var. rubrifolia *Krassochk. ex V.I. Burenin in Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 161: 69 (1986)—Cultivation.

var. subrosea *Krassochk. ex V.I. Burenin in Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 161: 70, line 12 (1986), but see ICBN(1983) Art. 64.3—Cultivation.

var. subrosea *Krassochk. ex V.I. Burenin in Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 161: 70, line 22 (1986), but see ICBN(1983) Art. 64.3—Cultivation.

**BETONICA** (Labiat.).

rosea *Prien. ex Hornem., Hort. Hafn., Suppl.*: 64 (1819); *cf. D.J. Mabberley in Taxon*, 33(3): 436 (1984)—Locality not stated.

**BETULA** (Betulac.).

alba

var. glabrata (*Wahlenb.*) *F. Muñoz Garmendia & J. Pedrol in An. Jard. Bot. Madrid*, 44(2): 599 (1987): B. pubescens var. glabrata.

subsp. glutinosa (*Berher*) *J. Holub in Folia Geobot. Phytotax.*, 24(4): 426 (1989): B. pubescens subsp. glutinosa.

ceratoptera *G.H. Liu & Y.C. Ma in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 55 (1989)—China.

murrayana *B.V. Barnes & B.P. Dancik in Canad. J. Bot.*, 63(2): 226 (1985)—U.S.A. (Michigan).

pendula

f. bircalensis (*Mela*) *L. Hämet-Ahti in Mem. Soc. Fauna Flora Fenn.*, 65(1): 9 (1989): B. verrucosa bircalensis.

f. crispa (*Reichenb.*) *L. Hämet-Ahti in Mem. Soc. Fauna Flora Fenn.*, 65(1): 9 (1989): Betula laciniata var. crispa.

subsp. fontqueri (*Rothm.*) *G. Moreno & M. Peinado in An. Jard. Bot. Madrid*, 45(1): 359 (1988): B. fontqueri.

var. fontqueri (*Rothm.*) *G. Moreno & M. Peinado in An. Jard. Bot. Madrid*, 45(1): 359 (1988): B. fontqueri.

var. lapponica (*Lindquist*) *L. Hämet-Ahti in Mem. Soc. Fauna Flora Fenn.*, 65(1): 9 (1989): B. verrucosa var. lapponica.

var. meridionalis *G. Moreno & M. Peinado in An. Jard. Bot. Madrid*, 45(1): 359 (1988)—Spain.

var. parvibracteata (*Peinado, G. Moreno & Velasco*) *G. Moreno & M. Peinado in An. Jard. Bot. Madrid*, 45(1): 359 (1988): B. parvibracteata.

platyphylla

var. brunnea *J.X. Huang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 125 (1986)—China.

pubescens

subsp. czerepanovii (*Orlova*) *L. Hämet-Ahti in Phytocoenologia*, 15(4): 450 (1987): B. czerepanovii.

var. czerepanovii (*Orlova*) *L. Hämet-Ahti in Mem. Soc. Fauna Flora Fenn.*, 65(1): 9 (1989): B. czerepanovii.

f. hibernifolia *T. Ulvinen in Mem. Soc. Fauna Flora Fenn.*, 65(4): 133 (1989)—Finland.

f. rubra *T. Ulvinen in Mem. Soc. Fauna Flora Fenn.*, 65(4): 135 (1989)—Finland.

szaferi *Jentys-Szaferowa ex J. Staszkievicz in Acta Soc. Bot. Pol.*, 55(3): 364 (1986)—Poland.

**BHIDEA** (Gramin.).

borii *U.R. Deshpande, V. Prakash & N.P. Singh in Current Sci.*, 58(19): 1094 (1989)—India.

fischeri *P.V. Sreekumar & B.V. Shetty in Kew Bull.*, 42(3): 683 (1987)—India.

**BIARUM** (Arac.).

davisii

subsp. marmarisense *P. Boyce in Aroideana*, 10(4): 14 (1987), as 'marmarisensis'—Turkey.

ditschianum *J. Bogner & P. Boyce in Willdenowia*, 18(2): 409 (1989)—Turkey.

**BIARUM** :—

lehmannii A. Bunge, *Beitr. Fl. Russl.*: 327 (1852)—U.S.S.R. (Middle Asia).†

pyrami

var. serotinum *J. Koach & N. Feinbrun-Dothan in N. Feinbrun-Dothan, Fl. Palaestina*, 4: 398, 337 (1986)—Syria, Israel, Jordan.

**BIDARIA** (Asclepiadac.).

indica *M.A. Rahman & C.C. Wilcock in Blumea*, 34(1): 99 (1989), nom. nov.: Gymnema montanum var. beddomei *Hook. f.*

lacei (*Craib*) *M.A. Rahman & C.C. Wilcock in Blumea*, 34(1): 100 (1989): Gymnema lacei.

montana (*Roxb.*) *M.A. Rahman & C.C. Wilcock in Blumea*, 34(1): 99 (1989): Asclepias montana.

**BIDENS** (Compos.).

acrifolia

var. langlassei (*Sherff*) *T.E. Melchert in Phytologia*, 69(1): 21 (1990): B. langlassei.

aequisquama

var. guanajuatensis *T.E. Melchert in Phytologia*, 69(1): 22 (1990)—Mexico.

alba

var. radiata (*C.H. Schultz-Bip.*) *R. Ballard in Amer. J. Bot.*, 73(10): 1463 (1986): B. pilosa var. radiata.

antiguensis

var. procumbens (*Donn. Smith*) *R.R. Roseman in Phytologia*, 69(3): 177 (1990): B. coreopsis var. procumbens.

var. salvadorensis *R.R. Roseman in Phytologia*, 69(3): 178 (1990)—Guatemala, Salvador, Honduras, Nicaragua.

balsana *T.E. Melchert in Phytologia*, 69(1): 23 (1990)—Mexico.

bampsiana *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 464 (1987)—Zaire, Zambia.

boquetiensis *R.R. Roseman in Phytologia*, 69(3): 186 (1990)—Panama, Costa Rica.

chiapensis

var. feddemana (*Sherff*) *T.E. Melchert in Phytologia*, 69(1): 24 (1990): B. feddemana.

clavata *R. Ballard in Syst. Bot.*, 13(2): 184 (1988)—Mexico.

cronquistii (*Sherff*) *T.E. Melchert in Phytologia*, 69(1): 24 (1990): Coreocarpus cronquistii.

diversifolia *Schweigg., Enum. Pl. Hort. Bot. Regiom.*: 16 (1812); *cf. D.J. Mabberley in Taxon*, 33(3): 441 (1984)—Locality not stated.

esmartinezii *J.L. Villaseñor in Aliso*, 12(3): 579 (1989 publ. 1990)—Mexico.

exilis (*Sherff*) *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 173 (1990): Coreopsis exilis.

ferulifolia (*Jacq.*) *Sweet, Hort. Brit., ed. 2*: 311 (1830); *cf. D.J. Mabberley in Taxon*, 30(1): 15 (1981): Basionym not stated.

hintonii (*Sherff*) *T.E. Melchert in Phytologia*, 69(1): 25 (1990): Coreocarpus hintonii.

izabalensis *R.R. Roseman in Phytologia*, 69(3): 185 (1990)—Guatemala, Belize, Mexico.

kasiensis *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 259 (1988)—Zaire.

lejolyana *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 170 (1990)—Zaire.

leptoglossa (*Sherff*) *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 173 (1990): Coreopsis leptoglossa.

malawiensis *Mesfin Tadesse in SINET*, 12(2): 125 (1989)—Malawi.

mesfinii *A.A. Anderberg in Bot. Jahrb.*, 110(1): 79 (1988)—Ethiopia.

oaxacana *T.E. Melchert in Phytologia*, 69(1): 26 (1990)—Mexico.

odorata

var. calcicola (*Greenman*) *R. Ballard in Amer. J. Bot.*, 73(10): 1462 (1986): B. rosea var. calcicola.

var. chilpancingensis *R. Ballard in Amer. J. Bot.*, 73(10): 1463 (1986)—Mexico.

var. oaxacensis *R. Ballard in Amer. J. Bot.*, 73(10): 1462 (1986)—Mexico.

var. rosea (*Schultz-Bip.*) *T.E. Melchert in Phytologia*, 69(1): 26 (1990): B. rosea.

pueblensis (*Sherff*) *T.E. Melchert in Phytologia*, 69(1): 27 (1990): B. bigelovii var. pueblensis.

rapensis (*F. Brown*) *T.F. Stuessy in Brittonia*, 40(2): 198 (1988): Chrysogonum rapense.



**BIDENS** :-

- saltillensis *T.E. Melchert in Phytologia*, 69(1): 27 (1990)—Mexico.  
 schaffneri  
   *var. wrightii* (A. Gray) *T.E. Melchert in Phytologia*, 69(1): 28 (1990): B. heterophylla *var. wrightii*.  
 sharpii (Sherff) *T.E. Melchert in Phytologia*, 69(1): 29 (1990): B. serrulata *var. sharpii*.  
   *var. tamazulapana* *T.E. Melchert in Phytologia*, 69(1): 29 (1990)—Mexico.  
 socorrensis *R. Moran & G.A. Levin, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16): 27 (1989)—Revilla Gigedo Is.*  
 squarrosa  
   *var. atrostriata* *R.R. Roseman in Phytologia*, 69(3): 180 (1990)—Mexico.  
   *var. hondurensis* *R.R. Roseman in Phytologia*, 69(3): 183 (1990)—Honduras, Costa Rica, Salvador.  
   *var. indivisa* (B.L. Robins.) *R.R. Roseman in Phytologia*, 69(3): 184 (1990): B. tereticaulis *var. indivisa*.  
   *var. speciosa* *R.R. Roseman in Phytologia*, 69(3): 181 (1990)—Guatemala, Mexico.  
   *var. tereticaulis* (DC.) *R.R. Roseman in Phytologia*, 69(3): 182 (1990): B. tereticaulis.  
 teikeetini *J. Florence & T.F. Stuessy in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 121 (1988)—Marquesas Is.  
 tubuaiensis *T.F. Stuessy in Brittonia*, 40(2): 198 (1988), nom. nov.: *Chrysogonum coriaceum* *F. Brown*.  
 ugandensis  
   *var. rogersii* (Sherff) *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 174 (1990): B. rogersii.  
   *var. schweinfurthii* (Sherff) *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 174 (1990): B. schweinfurthii.  
 zairensis *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 466 (1987)—Zaire.

**BIERMANNIA** (Orchidac.).

- calcarata *L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 429 (1988)—Vietnam.  
 jainiana *S.N. Hegde & A. Nageswara Rao in Bull. Bot. Surv. India*, 26(1-2): 97 (1984 publ. 1985)—India.

×**BIFRENIDIUM** hort. in *Orchid Rev.*, 96(1135): centre page pull-out p. 8 (1988). *ORCHIDACEAE*. (Bifrenaria × Cymbidium).

×**BIFRENIELLA** hort. in *Orchid Rev.*, 97(1154): centre page pull-out p. 8 (1989). *ORCHIDACEAE*. (Bifrenaria × Rudolfiella).

**BIGNONIA** (Bignoniac.).

- colais *F. Buchanan-Hamilton ex L.W. Dillwyn, Rev. Hortus Malab.*: 28 (1839); *fide D.J. Mabberley in Taxon*, 26(5-6): 533 (1977)—India.  
 grandiflora *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 564 (1784)—Japan.†*  
 tomentosa *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 563 (1784)—Japan.†*

**BIKKIOPSIS** (Rubiace.).

- comptonii (S. Moore) *M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et *Syst. Fl. Neu-Caledonien*, 5: 97 (May 1989), with basionym ref.: *Bikkia comptonii*.

**BILDERDYKIA** (Polygonac.).

- cilindris  
   *f. erecta* (Peck) *C.F. Reed in Phytologia*, 63(5): 410 (1987): *Polygonum cilinode var. erectum*.

**BILLBERGIA** (Bromeliac.).

- amandae *W. Weber in Feddes Repert.*, 97(3-4): 115 (1986)—Brazil.  
 amoena  
   *var. robertiana* *E. Pereira & E.M.C. Leme in Brasil Florest.*, 13(59): 41 (1984)—Brazil.  
 ×claudii *E.M.C. Leme in Bradea*, 4(39): 314 (1987)—Brazil. (B. distachia *var. distachia* × vittata).  
 domingomartinsii *E. Gross in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 65 (1988)—Brazil.

**BILLBERGIA** :-

- nobilis *Bull. Cat.*, 358: 1 (1901); *cf. D.J. Mabberley in Taxon*, 34(3): 456 (1985)—Locality not stated.  
 robert-readii *E. Gross & W. Rauh in J. Bromeliad Soc.*, 37(2): 57 (1987)—Peru.

**BIOPHYTUM** (Oxalidac.).

- cowanii *T. Wendt in Brittonia*, 39(1): 133 (1987)—Mexico.  
 hermanni *J.F. Veldkamp in Taxon*, 38(1): 114 (1989)—Sri Lanka.

**BISCUTELLA** (Crucif.).

- austriaca  
   *subsp. hungarica* (Soó ex Soó) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 454 (1986): B. laevigata *subsp. hungarica*.  
 coronopifolia  
   *var. pinnatifida* (Jord.) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 569 (1986): B. pinnatifida.  
   *var. polyclada* (Jord.) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 569 (1986): B. polyclada.  
 glacialis  
   *var. harana* *J.D. Olowokudejo in Folia Geobot. Phytotax.*, 21(4): 402 (1986); et in *Feddes Repert.*, 97(9-10): 567 (Oct. 1986)—Spain.  
 laevigata  
   *subsp. atropurpurea* (Mateo & Figuerola) *O. de Bolós & J. Vigo, Fl. Països Catalans*, 2: 828 (1990): B. atropurpurea.  
   *var. cuneata* (F.Q.) *O. de Bolós, F. Masclans & J. Vigo in O. de Bolós & J. Vigo, Fl. Països Catalans*, 2: 138 (1990): B. laevigata *raça cuneata*.  
   *subsp. flexuosa* (Jordan) *A.M. Romo i Díez, Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 118 (1989): B. flexuosa.  
   *subsp. scaposa* (Sennen ex Mach.-Laur.) *A.M. Romo i Díez, Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 118 (1989): B. scaposa.  
 lusitanica  
   *var. macrocarpa* (Samp. ex Guinea) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 568 (1986): B. macrocarpa.

**megacarpa**

- subsp. atlantica* (Maire) *J.E. Hernández-Bermejo & M. Clemente-Muñoz in Lagasalia*, 14(2): 200 (1986), without basionym page: B. laevigata *var. atlantica*.  
*subsp. variegata* (Boiss. & Reuter) *J.E. Hernández-Bermejo & M. Clemente-Muñoz in Lagasalia*, 14(2): 200 (1986): B. variegata.

**sempervirens**

- var. elvira* *J.D. Olowokudejo in Willdenowia*, 16(1): 101 (1986)—Spain.  
*var. elvira* *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 566 (Oct. 1986)—Spain.  
*subsp. glacialis* (Boiss. & Reuter) *J.E. Hernández-Bermejo & M. Clemente-Muñoz in Lagasalia*, 14(2): 201 (1986): B. laxa *var. glacialis*.

**valentina**

- var. leptophylla* (Pau) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 567 (1986): B. leptophylla.  
*var. pinnata* *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 568 (1986)—Spain.  
*var. tenuicaulis* (Jord.) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 567 (1986): B. tenuicaulis.

**varia**

- subsp. gracilis* (Mach.-Laur.) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 455 (1986): B. laevigata *subsp. gracilis*.  
*subsp. guestphalica* (Mach.-Laur.) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 455 (1986): B. laevigata *subsp. guestphalica*.  
*subsp. kernerii* (Mach.-Laur. ex Heywood) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 455 (1986): B. laevigata *subsp. kernerii*.  
*subsp. subaphylla* (Mach.-Laur.) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 455 (1986): B. laevigata *subsp. subaphylla*.  
*subsp. tenuifolia* (Bluff & Fingerh.) *M. Peniašteková in Biológia, A (Czechoslovakia)*, 41(5): 455 (1986): B. ambigua *β. tenuifolia*.

**variegata**

- var. foliosa* (Mach.-Laur.) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 566 (1986): B. foliosa.  
*var. megacarpa* (Boiss. & Reuter) *J.D. Olowokudejo in Feddes Repert.*, 97(9-10): 566 (1986): B. megacarpa.

**BISHOPANTHUS** *H. Robinson in Phytologia*, 54(1): 63 (1983). *COMPOSITAE*.

**BISSEA** *V. Fuentes in Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 12 (1985 publ. 1986), nom. nov.: *Henoonia* Grisebach (Goetzeac.).  
*myrtifolia* (Griseb.) *V. Fuentes in Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 12 (1985 publ. 1986): *Henoonia myrtifolia*.

**BISTORTA** (Polygonac.).

- sect. Vivipara* *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 24: 75 (1987).  
 alopecuroides  
   *var. zeaensis* (Kom.) *N.N. Tsvelev in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 59 (1989): *Polygonum zeaense*.  
 amplexicaulis  
   *var. alba* *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 61 (1986)—India*.  
   *var. speciosa* (Meisn.) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 60 (1986)*, without basionym ref.: Basionym not stated.  
 ensigera (Juz.) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 25: 185 (1988): *Polygonum ensigerum*.  
 pacifica  
   *var. tomentella* (Kom.) *N.N. Tsvelev in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 57 (1989): *Polygonum ussuriense f. tomentellum*.

**BITUMINARIA** (Legumin.).

- flaccida (Nab.) *W. Greuter in Willdenowia*, 16(1): 108 (1986): *Psoralea flaccida*.  
 morisiana (Pignatti & Metlesics) *W. Greuter in Willdenowia*, 16(1): 108 (1986): *Psoralea morisiana*.

**BLABEROPUS** (Apocynac.).

- mairei (Levl.) *Trần Đình Lý in Feddes Repert.*, 97(9-10): 616 (1986): *Alstonia mairei*.

**BLACHIA** (Euphorbiac.).

- andamanica  
   *subsp. denudata* (Benth.) *N.P. Balakrishnan & T. Chakrabarty in Proc. Indian Acad. Sci., Pl. Sci.*, 99(6): 571 (1989): B. denudata.  
 chunii *Y.T. Chang & P.T. Li in Guihaia*, 8(1): 53 (1988), with two types cited—China, Hainan.  
 longzhouensis *X.X. Chen in Acta Phytotax. Sin.*, 26(1): 76 (1988)—China.

**BLADHIA** (Myrsinac.).

- crispa *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 237 (1784)—Japan.†*  
 villosa *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 237 (1784)—Japan.†*

**BLAKEA** (Melastomatac.).

- fuchsoides *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(5): 137 (1989)—Panama.  
 gregii *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 305 (1990)—Panama.  
 hammelii *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 309 (1990)—Panama.  
 herrerae *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 311 (1990)—Panama.  
 scarlatina *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 314 (1990)—Costa Rica, Nicaragua.

**BLECHUM** (Acanthac.).

- angustifolium (Sw.) *Sm. in Rees, Cyclop.*, 39(2): Blechum n. 3 (1819); *cf. D.J. Mabberley in Taxon*, 32(1): 82 (1983): Basionym not stated.  
 erectum *Sm. in Rees, Cyclop.*, 39(2): Blechum n. 2 (1819); *cf. D.J. Mabberley in Taxon*, 32(1): 82 (1983)—Locality not stated.

**BLEEKRODEA** (Morac.).

- malayana (Corner) *C.C. Berg in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 359 (1988): *Streblus malayanus*.

**BLEPHARIS** (Acanthac.).

- dhofarensis *A.G. Miller in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 63 (1988)—Oman.



**BLEPHARISTEMMA** (Rhizophorac.).

serratum (Dennst.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rhee's Hort. Malab.*: 214 (1988): Roodschidia serrata.

**BLEPHAROCALYX** (Myrtac.).

eggersii (Kiaerskou) L.R. Landrum in *Syst. Bot.*, 11(1): 159 (1986); et in *Fl. Neotrop.*, 45: 121 (1986): Marlieriopsis eggersii.

**BLEPHARONEURON** (Gramin.).

shepherdii (Vasey) P.M. Peterson & C.R. Annable in *Syst. Bot.*, 15(4): 519 (1990): Sporobolus shepherdii.

**BLETIA** (Orchidac.).

volubilis M.A. Diaz Dumas in *Rev. Jard. Bot. Nacion. Univ. Habana*, 9(2): 32 (1988 publ. 1989)—Cuba.

**BOBEA** (Rubiace.).

platypes F.R. Fosberg in *Phytologia*, 62(3): 179 (1987)—Hawaiian Is.

**BOCAGEOPSIS** (Annonac.).

pleiosperma P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 249 (1986)—Brazil.

**BOCQUILLONIA** (Euphorbiac.).

castaneaefolia A. Guillaumin in *Ann. Soc. Bot. Lyon*, 38: 110 (1913 publ. 1914); et *Sp. Montrouze*: 36 (1914) (reprint)—New Caledonia.†  
longipes G. McPherson in *Fl. N. Calé. & Dépend.*, 14: 128 (1987)—New Caledonia.

**BOEBEROIDES** (DC.) J.L. Strother in *Sida*, 11(4):

373 (1986): Dyssodia sect. Boeberoides (Compos.).  
grandiflora (DC.) J.L. Strother in *Sida*, 11(4): 377 (1986): Dyssodia grandiflora.

**BOECHERA** (Crucif.).

vivariensis (Welsh) W.A. Weber in *Phytologia*, 67(6): 425 (1989): Arabis vivariensis.

**BOEHMERIA** (Urticac.).

chingshuishaniana S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 468 (1988)—Taiwan.

**macrophylla**

var. longissima (Hook. f.) V.S. Ramachandran & V.J. Nair, *Fl. Cannanore*: 436 (1988): B. platyphylla var. longissima.

**nivea**

var. viridula (Yamamoto) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 470 (1988): B. nivea var. viridula.

**taiwaniana**

var. pilushanensis (Liu & Lu) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 466 (1988): B. pilushanensis.

**BOEICA** (Gesneriac.).

sect. Boeicopsis (H.W. Li) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 260 (1990): gen. Boeicopsis.  
multinervia K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 439 (1988)—China.

stolonifera K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 439 (1988)—China.

yunnanensis (H.W. Li) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 260 (1990): Boeicopsis yunnanensis.

**BOENNINGHAUSENIA** (Rutac.).**albiflora**

var. pilosa Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 47 (1989)—China.

**BOERHAVIA** (Nyctaginac.).**albiflora**

var. heronensis F.R. Fosberg in *Brittonia*, 40(1): 59 (1988)—Australia (Queensland).

chinensis (L.) Rottb., *Pl. Hort. Univ. Rar. Prog.*: 4 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984): Basionym not stated.

fistulosa F.R. Fosberg in *Brittonia*, 40(1): 57 (1988)—Australia (Queensland).

var. puberuliflora F.R. Fosberg in *Brittonia*, 40(1): 59 (1988)—Australia (Queensland).

sinuata (Meikle) W. Greuter & Burdet in *Willdenowia*, 16(2): 448 (1987): Commicarpus sinuatus.

**BOESENBERGIA** (Zingiberac.).

acuminata P. Siriruga in *Nordic J. Bot.*, 7(4): 421 (1987)—Thailand.

albomaculata S.Q. Tong in *Acta Phytotax. Sin.*, 24(4): 323 (1986), as 'albo-maculata'—China.

aurantiaca R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 226 (1987)—Borneo (Sabah).

basispicata K. Larsen ex P. Siriruga in *Nordic J. Bot.*, 7(4): 423 (1987)—Thailand.

flavoalba R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 218 (1987)—Borneo (Sarawak, Sabah).

petiolata P. Siriruga in *Nordic J. Bot.*, 7(4): 423 (1987)—Thailand.

**pulchella**

var. attenuata R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 225 (1987)—Borneo (Sabah).

siamensis (Gagnep.) P. Siriruga in *Nordic J. Bot.*, 7(4): 425 (1987): Gastrochilus siamense.

stenophylla R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 230 (1987)—Borneo (Sabah, Sarawak).

**BOGNERA** (Arac.).

recondita (Madison) S. Mayo & D.H. Nicolson in *Taxon*, 33(4): 690 (1984): Ulearum reconditum.

**BOISDUVALIA** (Onagrac.).

densiflora (Lindl.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1837: 2 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983): Basionym not stated.

**BOLANTHUS** (Caryophyllac.).

stenopetalus P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2–3): 318 (1987)—Turkey.

**BOLBIDIUM** F.G. Brieger in Schlechter Orchideen,

1(11–12): 721 (1981), as 'stat. nov.' without basionym page but with 'latin descr. ORCHIDACEAE.†

pumilum F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 721 (1981), as 'comb. nov.' but stated

basionym invalid; stands as illegit. nom. nov. for Dendrobium carnosum Teijsm. & Binn.†

**BOLBOSCHOENUS** (Cyperac.).

desoulavii (Drob.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 188 (1988): B. maritimus var. desoulavii.

kozhevnikovii (Litv.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 189 (1988): Scirpus kozhevnikovii.

**maritimus**

subsp. macrostachys (Willd.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 19 (1983): Scirpus macrostachys.

subsp. paludosus (A. Nels.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 128 (1989): Scirpus paludosus.

subsp. tuberosus (Desf.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 19 (1983): Scirpus tuberosus.

yagara (Ohwi) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 187 (1988): Scirpus yagara.

**BOLDOA** (Monimiace.).

fragrans (Pers.) Endl., *Cat. Horti Vindob.*, 1: 280 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): Basionym not stated.

**×BOLLOPETALUM** hort. in *Orchid Rev.*, 97(1146):

centre page pull-out p. 8 (1989). ORCHIDACEAE. (Bollea × Zygopetalum).

**BOLTONIA** (Compos.).

apalachicolensis L.C. Anderson in *Syst. Bot.*, 12(1): 133 (1987)—U.S.A. (Florida).

**BOMAREA** (Alstroemeriac.).

bracteolata R.E. Gereau in *Ann. Missouri Bot. Gard.*, 76(2): 601 (1989)—Panama.

caudatiseipala R.E. Gereau in *Ann. Missouri Bot. Gard.*, 76(2): 599 (1989)—Panama.

suberecta R.E. Gereau in *Ann. Missouri Bot. Gard.*, 76(2): 599 (1989)—Panama, Costa Rica.

**BONAMIA** (Convolvulac.).

alatisemina R.W. Johnson in *Austrobaileya*, 2(4): 405 (1987)—Australia (W. Australia, N. Terr.).

alternifolia J.H. Jaume St.-Hilaire, *Expos. Fam. Nat.*, 2: 349 (1805)—Madagascar.

deserticola R.W. Johnson in *Austrobaileya*, 2(4): 406 (1987)—Australia (N. Terr.).

erecta R.W. Johnson in *Austrobaileya*, 2(4): 406 (1987)—Australia (N. Terr., S. Australia, W. Australia).

leonii A.H. Gentry & Austin in *Ann. Missouri Bot. Gard.*, 75(4): 1429 (1988 publ. 1989)—Colombia.

mexicana J.A. McDonald in *Biotica*, 12(3): 221 (1987)—Mexico.

**BONAPARTEA** (Bromeliac.).

elegans Fée, *Cat. Méth. Pl. Jard. Bot. Strasb.*: 15 (1836); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**BONAVERIA** (Legumin.).

securigera (L.) Endl., *Cat. Horti Vindob.*, 2: 506 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): Coronilla securigera.

**BONGARDIA** (Berberidac.).

margalla R.R. Stewart ex R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 21 (1987)—Pakistan.

**BONNETIA** (Guttif.).

bolivarensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 102 (1987); et in *Ann. Missouri Bot. Gard.*, 74(3): 647 (1987)—Venezuela.

euryanthera J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 647 (1987)—Venezuela.

guaiquinimae J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 102 (1987); et in *Ann. Missouri Bot. Gard.*, 74(3): 649 (1987)—Venezuela.

liesneri J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 969 (1989)—Venezuela.

ptariensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 102 (1987); et in *Ann. Missouri Bot. Gard.*, 74(3): 649 (1987)—Venezuela.

tristyla

subsp. nervosa J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 103 (1987); et in *Ann. Missouri Bot. Gard.*, 74(3): 649 (1987)—Venezuela.

**BONTIA** (Myoporac.).

bontioides (A. Gray) L.V. Aver'yanov in L.V. Aver'yanov, N.T. Ban & E.P. Kudryavtseva, *Mater. Fl. Rast. Ostrov. V'etnama*: 73 (1988): Myoporum bontioides.

**BORONIA** (Rutac.).

chartacea P.H. Weston in *Telopea*, 4(1): 123 (1990)—Australia (New South Wales).

umbellata P.H. Weston in *Telopea*, 4(1): 123 (1990)—Australia (New South Wales).

warrumbunglensis P.H. Weston in *Telopea*, 4(1): 125 (1990)—Australia (New South Wales).

**BORRERIA** (Rubiace.).

loretiana E.L. Cabral in *Parodiana*, 4(1): 134 (1986)—Argentina.

quadrifaria E.L. Cabral in *Parodiana*, 4(1): 138 (1986)—Argentina, Paraguay, Brazil.

shandongensis F.Z. Li & X.D. Chen in *Acta Bot. Yunnanica*, 7(4): 419 (1985)—China.

sulcata (N.M. Bacigal.) E.L. Cabral in *Parodiana*, 4(1): 140 (1986): B. verticillata var. sulcata.

**BORYA** (Anthericac.).

jabirabela D.M. Churchill in *Fl. Australia*, 45: 468, 270 (1987)—Australia (N. Terr., W. Australia).

longiscapa D.M. Churchill in *Fl. Australia*, 45: 468, 272 (1987)—Australia (W. Australia).

**BORZICACTUS** (Cactac.).**celsianus**

var. trollii (Kupp.) G.D. Rowley in *Excelsa*, 12: 35 (1986): Cereus trollii.

**BOSCIA** (Capparac.).

keniensis H.J. Beentje in *Kew Bull.*, 44(4): 743 (1989)—Kenya.

**BOTHRIOCHLOA** (Gramin.).

- bladii  
 subsp. *glabra* (Roxb.) B.K. Simon in *Austrobaileya*, 3(1): 79 (1989): *Andropogon glaber*.  
*gracilis* W.Z. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 100 (1986)—China.  
*nana* W.Z. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 102 (1986)—China.  
*parameswaranii* P.V. Sreekumar, C.P. Malathi & V.J. Nair in *J. Bombay Nat. Hist. Soc.*, 85(1): 163 (1988)—India.  
*punctata* (Roxb.) L. Liou in *Fl. Xizangica*, 5: 326 (1987): *Andropogon punctatus*.  
*spicigera* (Benth.) T. Kovama, *Grasses of Japan & Neighbour. Regions*: 491 (1987): *Chrysopogon parviflorus* var. *spicigerus*.  
*tuberculata* W.Z. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 97 (1986)—China.  
*yunnanensis* W.Z. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 99 (1986)—China.

**BOTHRIOCLINE** (Compos.).

- sect. *Erectae* C. Jeffrey in *Kew Bull.*, 43(2): 257 (1988).  
 sect. *Paludosae* C. Jeffrey in *Kew Bull.*, 43(2): 257 (1988).  
 sect. *Volkensia* (O. Hoffm.) C. Jeffrey in *Kew Bull.*, 43(2): 257 (1988): gen. *Volkensia*.  
*argentea*  
 var. *ukagurensis* C. Jeffrey in *Kew Bull.*, 43(2): 265 (1988)—Tanzania.  
 var. *ungurensis* C. Jeffrey in *Kew Bull.*, 43(2): 265 (1988)—Tanzania.  
*auriculata* (M.R.F. Tayl.) C. Jeffrey in *Kew Bull.*, 43(2): 263 (1988): *Erlangea auriculata*.  
*bagshawei* (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 261 (1988): *Erlangea bagshawei*.  
*emilioides* C. Jeffrey in *Kew Bull.*, 43(2): 266 (1988)—Tanzania, Malawi.  
*ethuloides* C. Jeffrey in *Kew Bull.*, 43(2): 266 (1988)—Tanzania.  
*glabrescens* C. Jeffrey in *Kew Bull.*, 43(2): 261 (1988)—Tanzania.  
*globosa* (Robyns) C. Jeffrey in *Kew Bull.*, 43(2): 265 (1988): *Erlangea globosa*.  
*glomerata* (O. Hoffm. & Muschl.) C. Jeffrey in *Kew Bull.*, 43(2): 264 (1988): *Volkensia glomerata*.  
*imatongensis* (M.R.F. Tayl.) C. Jeffrey in *Kew Bull.*, 43(2): 266 (1988): *Erlangea imatongensis*.  
*inyangana*  
 var. *amplexicaulis* (Muschl.) C. Jeffrey in *Kew Bull.*, 43(2): 262 (1988): *Erlangea amplexicaulis*.  
*kundelungensis* S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 558 (1988)—Zaire.  
*kungwensis* C. Jeffrey in *Kew Bull.*, 43(2): 262 (1988)—Tanzania.  
*madagascariensis* (DC.) C. Jeffrey in *Kew Bull.*, 43(2): 266 (1988): *Cyanopsis madagascariensis*.  
*mbalensis* (Wild & Pope) C. Jeffrey in *Kew Bull.*, 43(2): 261 (1988): *B. laxa* subsp. *mbalensis*.  
*nyiruensis* C. Jeffrey in *Kew Bull.*, 43(2): 263 (1988)—Kenya.  
*quercifolia* C. Jeffrey in *Kew Bull.*, 43(2): 261 (1988)—Tanzania, Burundi.  
*ruwenzoriensis* (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 264 (1988): *Erlangea ruwenzoriensis*.  
*shagayuensis* C. Jeffrey in *Kew Bull.*, 43(2): 261 (1988)—Tanzania.

**BOTRYODENDRUM** (Araliac.).

- capitatum* (Jacq.) Endl., *Cat. Horti Vindob.*, 2: 177 (1842); cf. *D.F. Mabbey in Taxon*, 33(3): 434 (1984): Basionym not stated.

**BOURNEA** (Gesneriac.).

- leiophylla* (W.T. Wang) W.T. Wang & K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 135 (1990): *Oreocharis leiophylla*.

**BOURRERIA** (Boraginac.).

- lyciacea* M. Thulin in *Nordic J. Bot.*, 7(4): 415 (1987)—Somali Republic, Kenya.  
*memoralis* (Gürke) M. Thulin in *Nordic J. Bot.*, 7(4): 415 (1987): *Ehretia memorialis*.  
*orbicularis* (Hutch. & E.A. Bruce) M. Thulin in *Nordic J. Bot.*, 7(4): 415 (1987): *Ehretia orbicularis*.  
*petiolaris* (Lam.) M. Thulin in *Nordic J. Bot.*, 7(4): 414 (1987): *Ehretia petiolaris*.

**BOURRERIA** :-

- rubra* E.J. Lott & J.S. Miller in *Ann. Missouri Bot. Gard.*, 73(1): 216 (1986)—Mexico.  
*teitensis* (Gürke) M. Thulin in *Nordic J. Bot.*, 7(4): 415 (1987): *Ehretia teitensis*.

**BOUTELOUA** (Gramin.).

- quirieoensis* A.A. Beetle in *Phytologia*, 59(4): 287 (1986)—Mexico.

**BOUVARDIA** (Rubiace.).

- hintoniorum* B.L. Turner in *Brittonia*, 38(2): 111 (1986)—Mexico.

**BOWIEA** (Hyacinthac.).

- volubilis*  
 subsp. *gariensis* (v. *Jaarsveld*) P.V. Bruyns in *Caryologia*, 40(4): 291 (1987 publ. 1988): *B. gariensis*.

**BRACHIARIA** (Gramin.).

- decumbens*  
 var. *ruziensis* (Germain & Evrard) P. Ndabaneze in *Lejeunia*, 132: 16 (1989): *B. ruziensis*.  
*lata*  
 subsp. *caboverdiana* H.J. Conert & C. Köhler in *Senckenberg. Biol.*, 67(4-6): 432 (1987)—Cape Verde Is.  
*paucispicata* (Morong) W.D. Clayton in *Kew Bull.*, 42(2): 401 (1987): *Panicum paucispicatum*.

**BRACHIONIDIUM** (Orchidac.).

- brachycladum* C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 33 (1986)—Colombia.  
*dalstroemii* C.A. Luer in *Lindleyana*, 1(3): 170 (1986)—Ecuador.  
*elegans* C.A. Luer & A.C. Hirtz in *Orchidee*, 37(1): 23 (1986)—Ecuador.  
*escobarii* C.A. Luer in *Lindleyana*, 1(3): 172 (1986)—Colombia.  
*hirtzii* C.A. Luer in *Lindleyana*, 1(3): 174 (1986)—Ecuador.  
*juliani* G. Carnevali F.C. & I. Ramírez in *Ernstia*, 39: 6 (1986)—Venezuela.  
*neblinense* G. Carnevali F.C. & I. Ramírez in *Ernstia*, 39: 9 (1986)—Venezuela.  
*portillae* C.A. Luer in *Lindleyana*, 1(3): 176 (1986)—Ecuador.  
*rugosum* C.A. Luer & Hirtz in *Lindleyana*, 1(3): 178 (1986)—Ecuador.

**BRACHYCHITON** (Sterculiac.).

- sect. *Delabechea* (Mitchell ex Lindley) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 239 (1988 publ. 1989): gen. *Delabechea*.  
 sect. *Oxystele* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 222 (1988 publ. 1989).  
*acuminatus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 251 (1988 publ. 1989)—Australia (W. Australia).  
*albidus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 271 (1988 publ. 1989)—Australia (Queensland).  
*×allochrous* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 316 (1988 publ. 1989)—Australia (Queensland). (*B. grandiflorus* × *muellerianus*).  
*×carneus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 315 (1988 publ. 1989)—Australia (Queensland). (*B. garawayae* × *grandiflorus*).  
*chillagoensis* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 296 (1988 publ. 1989)—Australia (Queensland).  
*collinus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 249 (1988 publ. 1989)—Australia (Queensland, N. Terr.).  
*compactus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 240 (1988 publ. 1989)—Australia (Queensland).  
*diversifolium* R. Brown, *Pterocymbium*: 234 (4 June 1844)—Australia.†  
 subsp. *orientalis* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 231 (1988 publ. 1989)—Australia (Queensland).  
*×excellens* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 314 (1988 publ. 1989)—Australia. (*B. bidwillii* × *discolor*).  
*fitzgeraldianus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 282 (1988 publ. 1989)—Australia (W. Australia).  
*garawayae* (Bailey) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 274 (1988 publ. 1989): *Sterculia garawayae*.

**BRACHYCHITON** :-

- grandiflorus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 263 (1988 publ. 1989)—Australia (Queensland).  
*×hirtellus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 317 (1988 publ. 1989)—Australia (N. Terr.). (*B. megaphyllus* × *multicaulis*).  
*incanum* R. Brown, *Pterocymbium*: 234 (4 June 1844)—Australia.†  
*×incarnatus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 313 (1988 publ. 1989)—Australia (Queensland). (*B. discolor* × *populneus*).  
*megaphyllus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 291 (1988 publ. 1989)—Australia (N. Terr.).  
*muellerianus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 302 (1988 publ. 1989)—Australia (Queensland).  
*multicaulis* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 305 (1988 publ. 1989)—Australia (N. Terr.).  
*obtusilobus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 254 (1988 publ. 1989)—Australia (W. Australia).  
*platanoides* R. Brown, *Pterocymbium*: 234 (4 June 1844)—Australia.†  
*populneum* R. Brown, *Pterocymbium*: 234 (4 June 1844)—Australia.†  
 subsp. *trilobus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 235 (1988 publ. 1989)—Australia (New South Wales, Queensland).  
*ramiflorum* R. Brown, *Pterocymbium*: 234 (4 June 1844)—Australia.†  
*×roseus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 308 (1988 publ. 1989)—Cultivation. (*B. acerifolius* × *populneus*).  
*spectabilis* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 280 (1988 publ. 1989)—Australia (N. Terr.).  
*tridentatus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 288 (1988 publ. 1989)—Australia (W. Australia).  
*tuberculatus* (W. Fitzg.) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 303 (1988 publ. 1989): *Sterculia tuberculata*.  
*×turgidulus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 309 (1988 publ. 1989)—Australia (Queensland). (*B. populneus* × *rupestris*).  
*×vinicolor* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 311 (1988 publ. 1989)—Australia (New South Wales, Queensland). (*B. acerifolius* × *discolor*).  
*viridiflorus* (W. Fitzg.) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 290 (1988 publ. 1989): *Sterculia viridiflora*.  
*viscidulus* (W. Fitzg.) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 277 (1988 publ. 1989): *Sterculia viscidula*.  
*vitifolius* (Bailey) G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 269 (1988 publ. 1989): *Sterculia vitifolia*.  
*xanthophyllus* G.P. Guymer in *Austral. Syst. Bot.*, 1(3): 295 (1988 publ. 1989)—Australia (W. Australia).

**BRACHYCOME** (Compos.).

- coongiensis* A.A. Munir in *J. Adelaide Bot. Gard.*, 11(1): 53 (1988)—Australia (S. Australia).  
*formosa* P.S. Short in *Muelleria*, 6(6): 390 (1988), as 'Brachyscome'—Australia (New South Wales).  
*halophila* P.S. Short in *Muelleria*, 6(6): 393 (1988), as 'Brachyscome'—Australia (W. Australia).

**BRACHYELYTRUM** (Gramin.).

- septentrionale* (Babel) G.C. Tucker in *J. Arnold Arbor.*, 69(3): 253 (1988): *B. erectum* var. *septentrionale*.

**BRACHYLOTTIS** (Compos.).

- kirkii* (Kirk) C.J. Webb in *New Zealand J. Bot.*, 25(1): 150 (1987): *Senecio kirkii*.  
 var. *angustior* (Allan) C.J. Webb in *New Zealand J. Bot.*, 25(1): 150 (1987): *Senecio kirkii* var. *angustior*.  
*turneri* (Cheeseman) C.J. Webb in *New Zealand J. Bot.*, 25(1): 151 (1987): *Senecio turneri*.

**BRACHYOTUM** (Melastomatac.).

- virescens* (Cogn.) J.J. Wurdack in *Phytologia*, 64(4): 296 (1988): *Tibouchina virescens*.

**BRACHYPODIUM** (Gramin.).

- gaditanum* S. Talavera in *Lagascalia*, 14(1): 120 (1986)—Spain.  
*glaucoirens* (Murbeck) T. Durand & B.D. Jackson in *Index Kewensis*, Suppl. 1(1): 62 (1886-1895 publ. 1902): *B. sylvaticum* subsp. *glaucoirens*.

**BRACHYPODIUM** :-

- miserum*  
*subsp. kurilense* (Probat.) V.N. Voroshilov in *Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 95(2): 91 (1990); *B. sylvaticum subsp. kurilense*.  
*phoenicoides*  
*var. gracile* (St.-Yves) A.R. Pinto da Silva & C.M.A. Rodrigues in *Bol. Soc. Brot.*, 60: 157 (1987); *B. phoenicoides subvar. gracile*.  
*platystachyum* Huber, *Cat. Graines 1868*: 8 (1868); *cf. D.J. Mabberley in Taxon*, 34(3): 450 (1985)—Locality not stated.  
*pubescens* (Peterm.) S.G. Musaev in *Bot. Zhurn.*, 72(1): 94 (1987); *B. gracile*  $\beta$ . *pubescens*.  
*ramosum* (L.) Beauvois, *Ess. Agrostogr.*: 163 (1812); *Bromus ramosus*.

**BRACHYRAMPHUS** (Compos.).

- obtusum* A.P. de Candolle, *Prodromus*, 7: 177 (1838)—India.†

**BRACHYSTELE** (Orchidac.).

- chiangii* (Johnston) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986); *Spiranthes chiangii*.  
*minutiflora* (A. Rich. & Gal.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986); *Spiranthes minutiflora*.  
*sarcoglossa* (A. Rich. & Gal.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986); *Spiranthes sarcoglossa*.  
*tenuissima* (L.O. Wms.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986); *Spiranthes tenuissima*.

**BRACHYSTELMA** (Asclepiadac.).

- ciliatum* G.D. Arekal & T.M. Ramakrishna in *Curr. Sci.*, 50(3): 145 (1981)—India.  
*dyeri* K. Balkwill, M.-J. Balkwill & Cadman in *S. Afr. J. Bot.*, 54(1): 61 (1988)—South Africa (Transvaal).  
*inconspicuum* S. Venter in *Excelsa*, 13: 106 (1988)—South Africa (Transvaal).  
*kituloense* D.J. Goyder in *Kew Bull.*, 45(4): 729 (1990), as '*kituloensis*'—Tanzania.  
*praelongum*  
*subsp. thunbergii* (N.E. Br.) C. Boele in *Asklepios*, 47: 3 (1989); *B. thunbergii*.  
*simplex*  
*subsp. banforae* J.P. Lebrun & A.L. Stork in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 71 (1989)—Nigeria, Ivory Coast, Upper Volta.

**BRACHYTHRIX** (Compos.).

- glomerata* (Mattf.) C. Jeffrey in *Kew Bull.*, 43(2): 270 (1988); *Ageratinastrum glomeratum*.  
*malawiensis* (Wild & Pope) G.V. Pope in *Kew Bull.*, 45(4): 698 (1990); *B. brevipapposa subsp. malawiensis*.

**BRACHYTOME** (Rubiace.).

- hainanensis* C.Y. Wu ex W.C. Chen in *Guihaia*, 7(4): 298 (1987)—Hainan, Vietnam.  
*pitardii* D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 294 (1986)—Vietnam.  
*russellii* D.B. Deb & M. Gangopadhyay in *Candollea*, 42(1): 353 (1987)—Burma.  
*wardii* D.B. Deb & M. Gangopadhyay in *Candollea*, 42(1): 356 (1987)—Burma.

**BRANDELLA** R.R. Mill in *Notes Roy. Bot. Gard.*

- Edinburgh, 43(3): 478 (1986). **BORAGINACEAE**.  
*erythraea* (Brand) R.R. Mill in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 478 (1986); *Adelocaryum erythraeum*.

**BRASILIOPUNTIA** (Cactac.).

- subacarpa* C.T. Rizzini & A. de Mattos-Filho in *Rev. Brasil. Biol.*, 46(2): 324 (1986)—Brazil.

**BRASSAIOPSIS** (Araliac.).

- polyacantha*  
*var. andamanica* (King) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 192 (1990); *B. palmata* *var. andamanica*.

**BRASSICA** (Crucif.).

- cretica*  
*subsp. aegaea* (Heldr. & Hal.) S. Snogerup, M. Gustafsson & R. von Bothmer in *Willdenowia*, 19(2): 291 (1990); *B. cretica* *var. aegaea*.  
*erucoides* Hornem., *Hort. Hafn.*: 621 (1815); *cf. D.J. Mabberley in Taxon*, 33(3): 436 (1984)—Locality not stated.  
*melanosinapis* Endl., *Cat. Horti Vindob.*, 2: 259 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 434 (1984)—Locality not stated.  
*mesopotamica* (Spreng.) Bernh., *Sel. Sem. Hort. Erfurt.*, 1835; *Linnaea 11, Lit.*: 85 (1837); *cf. D.J. Mabberley in Taxon*, 32(1): 84 (1983); *Basionym* not stated.  
*napus*  
*subsp. napobrassica* (L.) P. Hanelt in *Feddes Repert.*, 98(11–12): 554 (1987); *B. oleracea* *var. napobrassica*.  
*oleracea*  
*var. kashmiriana* A.R. Naqshi & G.N. Javeid in *J. Econ. Taxon. Bot.*, 9(1): 91 (1987)—Cultivation.  
*praecox* Kit. ex Hornem., *Hort. Hafn.*: 621 (1815); *cf. D.J. Mabberley in Taxon*, 33(3): 436 (1984)—Locality not stated.  
*rapa*  
*var. cephalata* (Tsen & Lee) P. Hanelt in *Feddes Repert.*, 98(11–12): 553 (1987); *B. pekinensis* *var. cephalata*.  
*subsp. chinensis* (L.) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 304 (1986); *Brassica chinensis*.  
*var. communis* (Tsen & Lee) P. Hanelt in *Feddes Repert.*, 98(11–12): 554 (1987); *B. chinensis* *var. communis*.  
*var. cylindrica* (Tsen & Lee) P. Hanelt in *Feddes Repert.*, 98(11–12): 553 (1987); *B. pekinensis* *var. cylindrica*.  
*subsp. dichotoma* (Roxb.) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 302 (1986); *Sinapis dichotoma*.  
*var. laxa* (Tsen & Lee) P. Hanelt in *Feddes Repert.*, 98(11–12): 553 (1987); *B. pekinensis* *var. laxa*.  
*subsp. narinosa* (Bailey) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 305 (1986); *Brassica narinosa*.  
*subsp. nipposinica* (Bailey) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 305 (1986); *Brassica nipposinica*.  
*var. parachinensis* (Bailey) P. Hanelt in *Feddes Repert.*, 98(11–12): 554 (1987); *B. parachinensis*.  
*subsp. pekinensis* (Lour.) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 304 (1986); *Sinapis pekinensis*.  
*var. rosularis* (Tsen & Lee) P. Hanelt in *Feddes Repert.*, 98(11–12): 554 (1987); *B. chinensis* *var. rosularis*.  
*var. sarson* (Prain) B.N. Mehrotra & B.S. Aswal in *J. Econ. Taxon. Bot.*, 6(3): 587 (1985), without *basionym* ref.: *B. campestris* *var. sarson*.  
*subsp. trilocularis* (Roxb.) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 302 (1986); *Sinapis trilocularis*.  
*repanda*  
*subsp. dertosensis* J. Molero & A.M. Rovira in *Collect. Bot.*, 17(1): 99 (1987 publ. 1988)—Spain.  
*var. montsiciana* A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 122 (1989)—Spain.  
*var. tripontina* (Font Quer) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 120 (1989); *B. saxatilis* *var. tripontina*.  
*rupestris*  
*subsp. villosa* (Biv.) Snog. ex P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 292 (1986); *Brassica rupestris*.

**BRASSICELLA** (Crucif.).

- setigera* (J. Gay ex Lange) Font Quer & Rothmaler, *Sched. Fl. Iber. Select., Cent. II–III*, n. 129 (1935); *cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in Fontqueria*, 7: 11 (1985); *Sinapis setigera*.

- ×**BRASSIODA** hort. in *Orchid Rev.*, 97(1149): centre page pull-out p. 8 (1989). **ORCHIDACEAE**. (*Brassia* × *Cochlidia*).

×**BRASSOCATTLEYA** (Orchidac.).

- miranda* L.C. Menezes in *Brasil Florest.*, 15(66): 17 (1988), without type; et in *Orchid Dig.*, 53(4): 153 (1989), without type—Brazil. (*Brassavola tuberculata* × *Cattleya warneri*).

**BRAVAISIA** (Acanthac.).

- berlandieriana* (Nees) T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 45(8): 126 (1988); *Onychacanthus berlandierianus*.

**BRAYA** (Crucif.).

- forrestii*  
*var. puberula* W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 19 (1987)—China.

**BRAYOPSIS** (Crucif.).

- alpaminiae*  
*subsp. smithii* I.A. Al-Shehbaz in *Nordic J. Bot.*, 8(6): 623 (1989)—Peru.  
*colombiana* I.A. Al-Shehbaz in *J. Arnold Arbor.*, 71(1): 97 (1990)—Colombia.  
*subsp. ecuadoriana* I.A. Al-Shehbaz in *J. Arnold Arbor.*, 71(1): 97 (1990)—Ecuador.

**BREDIA** (Melastomatac.).

- amoena*  
*var. eglandulata* B.Y. Ding in *Guihaia*, 8(4): 318 (1988)—China.

**BREWCARIA** L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 10 (1984). **BROMELIACEAE**.

- duidensis* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 10 (1984)—Venezuela.  
*marahuacae* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 714 (1986 publ. 1987)—Venezuela.

**BRICKELLIA** (Compos.).

- coulteri*  
*var. adenopoda* (B.L. Robins.) B.L. Turner in *Phytologia*, 68(3): 236 (1990); *B. brachiata* *var. adenopoda*.  
*var. brachiata* (A. Gray) B.L. Turner in *Phytologia*, 68(3): 237 (1990); *B. brachiata*.  
*eupatorioides*  
*var. chlorolepis* (Woot. & Standl.) B.L. Turner in *Phytologia*, 67(2): 129 (1989); *Kuhnia chlorolepis*.  
*var. floridana* (R.W. Long) B.L. Turner in *Phytologia*, 67(2): 130 (1989); *Kuhnia eupatorioides* *var. floridana*.  
*var. gracillima* (A. Gray) B.L. Turner in *Phytologia*, 67(2): 130 (1989); *Kuhnia eupatorioides* *var. gracillima*.  
*lemmonii*  
*var. carmenensis* B.L. Turner in *Phytologia*, 68(3): 161 (1990)—Mexico.  
*var. conduplicata* (B.L. Robins.) B.L. Turner in *Phytologia*, 68(3): 163 (1990); *B. conduplicata*.  
*var. nelsonii* (B.L. Robins.) B.L. Turner in *Phytologia*, 68(3): 163 (1990); *B. nelsonii*.  
*microphylla*  
*var. watsonii* (Robins.) S.L. Welsh in *Great Basin Nat.*, 43(2): 230 (1983); *B. watsonii*.  
*oligadenia* (B.L. Robins.) B.L. Turner in *Phytologia*, 69(1): 14 (1990); *B. squarrosa* *var. oligadenia*.  
*secundiflora*  
*var. parryi* (A. Gray) B.L. Turner in *Phytologia*, 67(4): 310 (1989); *B. parryi*.  
*wendtii* B.L. Turner in *Phytologia*, 68(2): 90 (1990)—Mexico.  
*worthingtonii* B.L. Turner in *Phytologia*, 68(2): 92 (1990)—Mexico.

**BRIDELIA** (Euphorbiac.).

- chineensis* N.N. Thin in *J. Biol. (Vietnam)*, 9(2): 37 (1987)—Vietnam.  
*nayarii* P. Basu in *J. Econ. Taxon. Bot.*, 7(3): 634 (1985 publ. 1986)—Nicobar Is.

**BRIGGSIA** (Gesneriac.).

- acutiloba* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 455 (1988)—China.  
*dongxingensis* Chun ex K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 451 (1988)—China.  
*humilis* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 453 (1988)—China.  
*latisepala* Chun ex K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 454 (1988)—China.  
*longicaulis* W.T. Wang & K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 450 (1988)—China.  
*longifolia*  
*var. multiflora* S.Y. Chen ex K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 453 (1988)—China.  
*parvifolia* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 457 (1988)—China.  
*rosthornii*  
*var. crenulata* (Hand.-Mazz.) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 223 (1990): B. *crenulata*.  
*var. wenshanensis* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 456 (1988)—China.  
*var. xingrenensis* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 456 (1988)—China.

**BRIQUETIA** (Malvac.).

- brasiliensis* P.A. Fryxell in *Contrib. Univ. Mich. Herb.*, 17: 163 (1990)—Brazil.

**BROCCHINIA** (Bromeliac.).

- gilmartiniae* G.S. Varadarajan in *J. Bromeliad Soc.*, 36(6): 251 (1986), as '*gilmartinii*'—Venezuela.  
*oliva-estevae* J.A. Steyermark & L.B. Smith in *Ann. Missouri Bot. Gard.*, 74(1): 85 (1987)—Venezuela.

**BRODRIGUESIA** R.S. Cowan in *Brittonia*, 33(1): 9 (1981). **LEGUMINOSAE.****BROMELIA** (Bromeliac.).

- gurkeniana*  
*var. funchiana* E. Pereira & E.M.C. Leme in *Rev. Brasil. Biol.*, 45(4): 635 (1985 publ. 1986)—Brazil.

**BROMOPSIS** (Gramin.).

- ser. Ripariae* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 28 (1976 publ. 1977).  
*alpina* (Malysch.) G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 23: 26 (1986): *Bromus sibiricus* f. *alpinus*.  
*altaica* G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 23: 26 (1986)—U.S.S.R. (Siberia, Middle Asia), Mongolia.  
*austrosibirica* G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 23: 28 (1986)—U.S.S.R. (Siberia).  
*calcareia* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 41 (1976 publ. 1977)—U.S.S.R. (Crimea).  
*cimmerica* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 38 (1976 publ. 1977)—U.S.S.R. (Crimea).  
*dolichophylla* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 33 (1976 publ. 1977)—U.S.S.R. (Caucasus).  
*glabrata* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 36 (1976 publ. 1977)—U.S.S.R. (Crimea).  
*pavlovii* (Roshev.) G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 63 (1990): *Bromus pavlovii*.  
*pseudocappadocica* M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 43 (1976 publ. 1977)—U.S.S.R. (Crimea).  
*pumpelliana*  
*subsp. flexuosa* (Drob.) N.S. Probatova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 1: 144 (1985): *Bromus sibiricus* var. *flexuosus*.  
*sibirica* (Drob.) G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 23: 31 (1986), without basionym ref.: Basionym not stated.  
*taiyrensis* G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 64 (1990)—U.S.S.R. (Siberia).  
*taiyrensis* (Roshev.) G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 23: 31 (1986), comb. nov. but basionym invalid: *Bromus sibiricus* var. *taiyrensis*.

**BROMUS** (Gramin.).

- affinis* (Dumort.) B.D. Jackson in *Index Kewensis*, 1: 341 (1753–1885 publ. 1893): B. *mollis* \* (subsp.) *affinis*.  
*barobalianus* G. Singh in G. Singh & P. Kachroo, *Forest Fl. Srinagar*: 129 (1987)—India.  
*bifidus* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 119 (1784)—Japan.†  
*canadensis*  
*subsp. yezeensis* (Ohwi) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): B. *yezeensis*.  
*catharticus*  
*var. striatus* (Hitchcock) P. Pinto-Escobar in *Caldasia*, 15(71–75): 26 (1986): B. *striatus*.  
*coytaii* W. Curtis, *Pract. Obs. Brit. Grasses*, ed. 3: 50 (1798)—Great Britain.  
*diandrus*  
*subsp. rigidus* (Roth) O. de Bolos, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): B. *rigidus*.  
*gracillimus* A. Bunge, *Beitr. Fl. Russl.*: 351 (1852)—U.S.S.R. (Middle Asia).†  
*gunckelii* O. Matthei in *Gayana, Bot.*, 43(1–4): 62 (1986)—Chile.  
*japonicus* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 119 (1784)—Japan.†  
*madritensis*  
*subsp. haussknechtii* (Boiss.) H. Scholz in *Willdenowia*, 19(1): 107 (1989): B. *haussknechtii*.  
*richardsonii*  
*subsp. flexuosus* (Drobov) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 493 (1987): B. *sibiricus* var. *flexuosus*.  
*sericeus*  
*subsp. fallax* H. Scholz in *Willdenowia*, 19(1): 134 (1989)—Sinai Peninsula.  
*sinensis*  
*var. minor* L. Liou in *Fl. Xizangica*, 5: 136 (1987)—Xizang.

**BRONGNIARTIA** (Legumin.).

- argyrophylla* R. McVaugh, *Fl. Novo-Galiciana*, 5: 301 (1987)—Mexico.  
*cordata* R. McVaugh, *Fl. Novo-Galiciana*, 5: 302 (1987)—Mexico.  
*guerrerensis* J. Jiménez Ramírez & J.L. Contreras Jiménez in *An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 58: 63 (1987 publ. 1989)—Mexico.  
*imitator* R. McVaugh, *Fl. Novo-Galiciana*, 5: 305 (1987)—Mexico.  
*minima* R. McVaugh, *Fl. Novo-Galiciana*, 5: 311 (1987)—Mexico.  
*mortonii* R. McVaugh, *Fl. Novo-Galiciana*, 5: 312 (1987)—Mexico.  
*norrisii* R. McVaugh, *Fl. Novo-Galiciana*, 5: 315 (1987)—Mexico.  
*pacifica* R. McVaugh, *Fl. Novo-Galiciana*, 5: 317 (1987)—Mexico.  
*sousae* O. Dorado in *Aliso*, 11(4): 631 (1987)—Mexico.  
*vazquezii* O. Dorado in *Syst. Bot.*, 14(1): 20 (1989)—Mexico.

**BROTERA** (Sterculiac.).

- phoenicea* (L.) A.J. Cavanilles in *Anales Hist. Nat.*, 1(1): 34 (1799): *Pentapetes phoenicea*.

**BROWNETERA** L.C. Rich. ex Tratt., *Gen. Nov. Pl.*: 19 (1825); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982). **PODOCARPACEAE.**

- aspleniifolia* (Lab.) Tratt., *Gen. Nov. Pl.*: 20 & t. 14 (1825); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982): Basionym not stated.

**BRUCEA** (Simaroubac.).

- bruceadelpha* (Nooteboom) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 471 (1988): *Laumoniera bruceadelpha*.

**BRUGMANSIA** (Solanac.).

- amesianum* (Schultes) W.G. D'Arcy in *Solanaceae Newsl.*, 2(4): 17 (1986): *Methysticodendron amesianum*.  
*ceratocaula* (Ort.) Court ex Gaede, *Ind. Pl. Hort. Bot. Leod.*: 29 (1828); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983): *Datura ceratocaula*.

**BRUGMANSIA** :-

- knightii* Merkus-Doornik, *Hort. Spaarn-Berg.*: 81 (1849); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.

**BRUNELLIA** (Brunelliac.).

- subsect. Foreroae* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 80 (1985).  
*subsect. Stuebeliae* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 85 (1985).  
*amayensis* C.I. Orozco in *Caldasia*, 15(71–75): 177 (1986)—Colombia.  
*antioquiensis* (Cuatrecasas) J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 48 (1985): B. *sibundoya* subsp. *antioquiensis*.  
*boliviana*  
*var. brittonii* (Rusby) J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 79 (1985): B. *brittonii*.  
*carpishensis* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 69 (1985), nom. nov., as 'sp. nov.': B. *inermis* var. *petiolulata* Cuatr.  
*cuatrecasana* C.I. Orozco in *Fl. Neotrop.*, 2 Suppl.: 20 (1985)—Colombia.  
*cutervensis* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 64 (1985)—Peru.  
*diversifolia* C.I. Orozco in *Fl. Neotrop.*, 2 Suppl.: 22 (1985)—Colombia.  
*espinalii* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 95 (1985)—Colombia.  
*gentryi* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 48 (1985)—Colombia.  
*hiltiana* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 55 (1985)—Colombia.  
*littlei*  
*subsp. caucana* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 74 (1985)—Colombia.  
*morii* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 59 (1985)—Panama.  
*neblinensis* J.A. Steyermark & Cuatrecasas in *Ann. Missouri Bot. Gard.*, 74(3): 635 (1987)—Venezuela/Brazil border.  
*pitayensis* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 89 (1985)—Colombia.  
*propinqua*  
*subsp. susaenensis* J. Cuatrecasas in *Fl. Neotrop.*, 2 Suppl.: 72 (1985)—Colombia.

**BRUNONIELLA** (Acanthac.).

- acaulis*  
*subsp. ciliata* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 103 (1986)—Australia (Queensland).  
*linearifolia* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 106 (1986)—Australia (N. Terr., ?Queensland).

**BRYONIA** (Cucurbitac.).

- japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 870 (1784)—Japan.†

**BRYONOPSIS** G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 49 (1840). **CUCURBITACEAE.****BRYOPHYLLUM** (Crassulac.).

- fedtschenkoi* (Ham. & Perr.) C.Y. Cheng in *Fl. Beijing*, 1: 321 (1984), without basionym ref.: *Kalanchoe fedtschenkoi*.  
*fedtschenkoi* (Hamet & Perrier) C.Y. Cheng in *Fl. Hebeiensis*, 1: 570 (1986), isonym; see *Lauzac-Marchal in Compte R. Hebd. Séances Acad. Sci., D (Paris)*, 278(20): 2508 (1974): *Kalanchoe fedtschenkoi*.

**BUBON** (Umbellif.).

- buctornense* Hort. Gorenk. ex Hornem., *Hort. Hafn.*: 283 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.

**BUBONIUM** (Compos.).

- daltonii* (Webb) T. Halvorsen in *Sommerfeltia*, 3: 80 (1986): *Odontospermum daltonii*.  
*subsp. vogelii* (Webb) T. Halvorsen in *Sommerfeltia*, 3: 82 (1986): *Odontospermum vogelii*.  
*graveolens*  
*subsp. odorum* (Schousb.) Wikl. ex T. Halvorsen & L. Borgen in *Sommerfeltia*, 3: 72 (1986): *Bupththalmum odorum*.  
*subsp. stenophyllum* (Link) T. Halvorsen in *Sommerfeltia*, 3: 74 (1986): *Bupththalmum stenophyllum*.



**BUBONIUM**:-

- intermedium (DC.) T. Halvorsen & Wikl. in *Sommerfeltia*, 3: 66 (1986): Asteriscus sericeus var. intermedium.  
sericeum (L.f.) T. Halvorsen & Wikl. in *Sommerfeltia*, 3: 68 (1986): Buphthalmum sericeum.  
smithii (Webb) T. Halvorsen in *Sommerfeltia*, 3: 77 (1986): Odontospermum smithii.

**BUCHENAVIA** (Combretac.).

- amazonia A.R.A. Alwan Al-Mayah & C.A. Stace in *Ann. Missouri Bot. Gard.*, 76(4): 1127 (1989)—Colombia, Brazil, Peru, Ecuador.

**BUCHENROEDERA** (Legumin.).

- sect. Racemosa T.J. Edwards & F.M. Getliffe Norris in *S. Afr. J. Bot.*, 56(3): 275 (1990).

**BUCHNERA** (Scrophulariac.).

- chimanimaniensis D. Philcox in *Kew Bull.*, 42(1): 208 (1987)—Zimbabwe.  
chisumpae D. Philcox in *Kew Bull.*, 42(2): 384 (1987)—Zambia.  
cryptocephala  
var. mwinilungensis D. Philcox in *Bol. Soc. Brot.*, 60: 269 (1987)—Zambia.  
ebracteolata D. Philcox in *Kew Bull.*, 42(2): 384 (1987)—Zambia.  
geminiflora D. Philcox in *Kew Bull.*, 42(2): 384 (1987)—Malawi.  
jacoborum J.L. Fernández-Alonso in *Caldasia*, 15(71-75): 150 (1986)—Colombia.  
lastii  
subsp. pubiflora D. Philcox in *Bol. Soc. Brot.*, 60: 269 (1987)—Zambia.  
laxiflora D. Philcox in *Kew Bull.*, 42(1): 208 (1987)—Zambia.  
lisowskiana R. Mielcarek in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 322 (1987)—Zaire.  
nervosa D. Philcox in *Kew Bull.*, 42(2): 384 (1987)—Zambia.  
subglabra D. Philcox in *Kew Bull.*, 42(1): 208 (1987)—Zimbabwe.  
wildii D. Philcox in *Kew Bull.*, 42(1): 208 (1987)—Zimbabwe.

**BUCIDA** (Combretac.).

- correlliana R.L. Wilbur in *Taxon*, 37(2): 467 (1988), nom. nov., ?nom. illegit.= Buida spinosa Jennings: Terminalia spinosa Northrop.  
molineti (M. Gómez) A.R.A. Alwan Al-Mayah & C.A. Stace in *Ann. Missouri Bot. Gard.*, 76(4): 1127 (1989): Terminalia molineti.

**BUCKINGHAMIA** (Proteac.).

- ferruginiflora D.B. Foreman & B.P.M. Hyland in *Muelleria*, 6(6): 417 (1988)—Australia (Queensland).

**BUCKLANDIA** (Hamamelidac.).

- tricuspis (Miq.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 482 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 154 (1985): Liquidamber tricuspis.

**BUDDLEJA** (Buddlejac.).

- crispa  
var. glandulifera (Marq.) S.Y. Bao in *Fl. Xizangica*, 3: 899 (1986): B. tibetica var. glandulifera.  
var. grandiflora (Marq.) S.Y. Bao in *Fl. Xizangica*, 3: 899 (1986): B. tibetica var. grandiflora.  
latiflora S.Y. Bao in *Fl. Yunnanica*, 3: 473 (1983)—China.  
minima S.Y. Bao in *Fl. Xizangica*, 3: 895 (1986)—Xizang.  
sessilifolia B.S. Sun in *Fl. Yunnanica*, 3: 465 (1983)—China.

**BUFONIA** (Caryophyllac.).

- leptoclada K.H. Rechinger in *Fl. Iran.*, 163: 121 (1988), holotype not indicated—Iraq.  
macropetala  
subsp. willkommiana (Boiss.) F. Amich García in *An. Jard. Bot. Madrid*, 43(2): 467 (1986 publ. 1987): B. willkommiana.  
tenuifolia  
subsp. battandieriana F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 599 (1987), nom. nov.: B. macrosperma subsp. parviflora Batt.

**BUGLOSSOIDES** (Boraginac.).

- arvensis  
subsp. incrassatus (Guss.) M. Kerguelen in *Lejeunia*, 120: 59 (1987): Lithospermum incrassatum.  
permixta (Jord.) J. Holub in *Preslia*, 58(4): 301 (1986): Lithospermum permixtum.  
splitgerberi (Guss.) S. Brullo in *Colloqu. Phytosciolog.*, 12: 79 (1983); see *Publ. Ist. Bot. Univ. Catania* (1985): Lithospermum splitgerberi.

**BULBINE** (Asphodelac.).

- esterhuysenae H. Baijnath in *S. Afr. J. Bot.*, 53(6): 427 (1987)—South Africa (Cape Province).  
glauca (Raf.) E.M. Watson in *Fl. Australia*, 45: 469 (1987): Nemopogon glaucum.  
hispidula (L.) Hornem., *Hort. Hafn.*: 334 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Basionym not stated.  
striata H. Baijnath & E. van Jaarsveld in *S. Afr. J. Bot.*, 53(6): 424 (1987)—South Africa (Cape Province).  
vagans E.M. Watson in *Fl. Australia*, 45: 470, 238 (1987)—Australia (Queensland).

**BULBINELLA** (Asphodelac.).

- barkeriae P.L. Perry in *S. Afr. J. Bot.*, 53(6): 431 (1987)—South Africa (Cape Province).  
chartacea P.L. Perry in *S. Afr. J. Bot.*, 53(6): 433 (1987)—South Africa (Cape Province).  
divaginata P.L. Perry in *S. Afr. J. Bot.*, 53(6): 433 (1987)—South Africa (Cape Province).  
eburniflora P.L. Perry in *S. Afr. J. Bot.*, 53(6): 436 (1987)—South Africa (Cape Province).  
elata P.L. Perry in *S. Afr. J. Bot.*, 53(6): 437 (1987)—South Africa (Cape Province).  
elegans Schlechter ex P.L. Perry in *S. Afr. J. Bot.*, 53(6): 437 (1987)—South Africa (Cape Province).  
graminifolia P.L. Perry in *S. Afr. J. Bot.*, 53(6): 440 (1987)—South Africa (Cape Province).  
latifolia  
var. doleritica P.L. Perry in *S. Afr. J. Bot.*, 53(6): 441 (1987)—South Africa (Cape Province).  
nana P.L. Perry in *S. Afr. J. Bot.*, 53(6): 441 (1987)—South Africa (Cape Province).  
nutans  
var. turfosicola P.L. Perry in *S. Afr. J. Bot.*, 53(6): 442 (1987)—South Africa (Cape Province).  
trinervis (Baker) P.L. Perry in *S. Afr. J. Bot.*, 53(6): 443 (1987): Anthericum triquetrum var. trinervis.

**BULBOCODIUM** (Colchicac.).

- caucasicum (Bieb.) Endl., *Cat. Horti Vindob.*, 1: 102 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): Basionym not stated.

**BULBOPHYLLUM** (Orchidac.).

- acutebracteatum  
var. rubrobrunneopapillosum (De Wild.) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 238 (1986): B. rubrobrunneopapillosum.  
ambrosia  
subsp. nepalensis J.J. Wood in *Kew Bull.*, 41(4): 820 (1986)—Nepal.  
amplistigmaticum P.J. Kores in *Allertonia*, 5(1): 150 (1989)—Fiji.  
amygdalinum L.V. Aver'yanov in *Bot. Zhurn.*, 73(7): 1023 (1988)—Vietnam.  
aristopetalum P.J. Kores in *Allertonia*, 5(1): 147 (1989)—Fiji.  
bidenticulatum  
subsp. joyceae J.J. Vermeulen in *Orchid Monogr.*, 2: 90 (1987)—Kenya.  
calyptratrum  
var. graminifolium (Summerh.) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 235 (1986): B. graminifolium.  
var. lucifugum (Summerh.) J.J. Vermeulen in *Orchid Monogr.*, 2: 131 (1987): B. lucifugum.  
carnosisepalum J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 236 (1986)—Zaire, Ivory Coast, Cameroun, Uganda.  
cochleatum  
var. bequaertii (De Wild.) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 230 (1986): B. bequaertii.

**BULBOPHYLLUM**:-

- var. brachyanthum (Summerh.) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 231 (1986): B. bequaertii var. brachyanthum.  
var. gravidum (Lindley) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 230 (1986): B. gravidum.  
var. tenuicaule (Lindley) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 230 (1986): B. tenuicaule.  
comatum  
var. inflatum (Rolfe) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 232 (1986): B. inflatum.  
debile J. Bosser in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 378 (1989 publ. 1990)—Madagascar.  
derchianum S.S. Ying in *J. Jap. Bot.*, 64(5): 148 (1989)—Taiwan.  
dolabriforme J.J. Vermeulen in *Kew Bull.*, 42(1): 263 (1987)—Nigeria.  
falcatum  
var. bufo (Lindley) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 235 (1986), without basionym ref.: Basionym not stated.  
var. velutinum (Lindley) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 235 (1986), without basionym ref.: Basionym not stated.  
fonsflorum J.J. Vermeulen in *Blumea*, 34(2): 499 (1990)—New Guinea (Papua New Guinea).  
fuscum  
var. melinostachyum (Schlechter) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 240 (1986): B. melinostachyum.  
grandimesense B. Gray & D.L. Jones in *Austrobaileya*, 3(1): 141 (1989)—Australia (Queensland).  
hassallii P.J. Kores in *Allertonia*, 5(1): 148 (1989)—Fiji.  
horridulum J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 238 (1986)—Zaire.  
incommodum P.J. Kores in *Allertonia*, 5(1): 156 (1989)—Fiji.  
injoloense  
subsp. pseudoxypterum (J.J. Vermeulen) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 232 (1986): B. injoloense var. pseudoxypterum.  
inornatum J.J. Vermeulen in *Kew Bull.*, 42(1): 266 (1987)—Tanzania.  
josephi  
var. mahonii (Rolfe) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 232 (1986): B. mahonii.  
kestron J.J. Vermeulen & A. Lamb in *Malayan Orchid Rev.*, 22: 45 (1988); et in *Gard. Bull. Singapore*, 41(2): 30 (1988 publ. 1989)—Borneo (Sabah).  
kivuense J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 231 (1986)—Rwanda.  
lecouflei J. Bosser in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 30 (1989)—Madagascar.  
leproglossum J.J. Vermeulen & A. Lamb in *Malayan Orchid Rev.*, 22: 46 (1988); et in *Gard. Bull. Singapore*, 41(2): 31 (1988 publ. 1989)—Borneo (Sabah).  
lewisense B. Gray & D.L. Jones in *Austrobaileya*, 3(1): 143 (1989)—Australia (Queensland).  
masonii (Senghas) J.J. Wood in *Kew Bull.*, 41(4): 821 (1986): Cirrhopetalum masonii.  
moratii J. Bosser in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 29 (1989)—Madagascar.  
morenoi C.H. Dodson & R. Vásquez Ch. in *Ik. Pl. Trop.*, Ser. 2, 4: t. 305 (1989)—Bolivia, Venezuela.  
myon J.J. Vermeulen in *Blumea*, 34(2): 501 (1990)—New Guinea (Papua New Guinea).  
nubinatam J.J. Vermeulen in *Malayan Orchid Rev.*, 22: 46 (1988); et in *Gard. Bull. Singapore*, 41(2): 34 (1988 publ. 1989)—Borneo (Sabah).  
panigrahianum S. Misra in *Nordic J. Bot.*, 6(1): 25 (1986)—India.  
pelicanopsis J.J. Vermeulen & A. Lamb in *Malayan Orchid Rev.*, 22: 47 (1988); et in *Gard. Bull. Singapore*, 41(2): 34 (1988 publ. 1989)—Borneo (Sabah).  
pingtungense S.S. Ying & Chen in S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 499 (1985), as 'pingtungensis'—Taiwan.  
quadracarum P.J. Kores in *Allertonia*, 5(1): 154 (1989)—Fiji.



**BULBOPHYLLUM**:-

- reptans  
var. *acuta* C.L. Malhotra & B. Balodi in *Bull. Bot. Surv. India*, 26(1-2): 110 (1984 publ. 1985)—India.
- resupinatum  
var. *filiforme* (Kraenzlin) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 235 (1986): B. *filiforme*.
- saltatorium  
var. *albiciliatum* (Finet) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 230 (1986): B. *calamarium* var. *albiciliatum*.
- var. *calamarium* (Lindley) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 230 (1986): B. *calamarium*.
- sandersonii  
subsp. *stenopetalum* (Kraenzlin) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 234 (1986): B. *stenopetalum*.
- scaberulum  
var. *crotalicaudatum* J.J. Vermeulen in *Orchid Monogr.*, 2: 118 (1987)—Tanzania.
- var. *fuerstenbergianum* (De Wild.) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 234 (1986): *Megacalinium fuerstenbergianum*.
- scabrum J.J. Vermeulen & A. Lamb in *Malayan Orchid Rev.*, 22: 46 (1988); et in *Gard. Bull. Singapore*, 41(2): 37 (1988 publ. 1989)—Borneo (Sabah).
- schinzianum  
var. *irigaleae* (Cribb & Perez-Vera) J.J. Vermeulen in *Orchid Monogr.*, 2: 29 (1987): B. *irigaleae*.
- var. *phaeopogon* (Schlechter) J.J. Vermeulen in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 229 (1986): B. *phaeopogon*.
- scopa J.J. Vermeulen in *Blumea*, 34(2): 503 (1990)—New Guinea (Papua New Guinea, W. Irian).
- simmondsii P.J. Kores in *Allertonia*, 5(1): 146 (1989)—Fiji.
- spiesii L.A. Garay, F. Hamer & E.S. Siegerist in *Amer. Orchid Soc. Bull.*, 59(8): 812 (1990)—New Guinea.
- sterile (Lam.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rhee's Hort. Malab.*: 298 (1988): *Epidendrum sterile*.
- subligaculiferum J.J. Vermeulen in *Orchid Monogr.*, 2: 30 (1987)—Gabon.
- tengchongense Z.H. Tsi in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 29 (1989)—China.
- thymophorum J.J. Vermeulen & A. Lamb in *Malayan Orchid Rev.*, 22: 47 (1988); et in *Gard. Bull. Singapore*, 41(2): 40 (1988 publ. 1989)—Borneo (Sabah).
- unifoliatum  
subsp. *hlectens* (Cribb & Taylor) J.J. Vermeulen in *Orchid Monogr.*, 2: 156 (1987): B. *hlectens*.
- subsp. *infracarinatum* (Williamson) J.J. Vermeulen in *Orchid Monogr.*, 2: 155 (1987): B. *infracarinatum*.
- windsorens B. Gray & D.L. Jones in *Austrobaileya*, 3(1): 143 (1989)—Australia (Queensland).

**BULBOSTYLIS** (Cyperac.).

- fluviatilis R. Kral & G. Davidse in *Ann. Missouri Bot. Gard.*, 74(2): 437 (1987)—Venezuela, Colombia, Brazil.
- hispidula  
subsp. *senegalensis* (Cherm.) C. Vanden Berghen in *Fl. Illustr. Sénégal*, 9: 159 (1988): *Fimbristylis exilis* var. *senegalensis*.
- oritrephe  
subsp. *australis* B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 353 (1986)—South Africa (Natal, Transvaal).

**BUMELIA** (Sapotac.).

- dominicana R.D. Whetstone & T.A. Atkinson in *Sida*, 11(4): 396 (1986), nom. nov.: *Dipholis ferruginea* Ekman & O.C. Schmidt.
- ekmaniana (Urban) J. Bisse & J. Gutiérrez Amaro in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(1): 22 (1985): *Dipholis ekmaniana*.
- gymnanthifolia J. Bisse & J. Gutiérrez Amaro in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(1): 21 (1985)—Cuba.
- moensis J. Bisse & J. Gutiérrez Amaro in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(1): 20 (1985)—Cuba.

**BUMELIA**:-

- neglecta J. Bisse & J. Gutiérrez Amaro in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(1): 21 (1985)—Cuba.

**BUNCHOSIA** (Malpighiac.).

- berlinii W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 61 (1987)—Peru.
- missionum U. Eskuche in *Folia Bot. Geobot. Correntesiana*, 5: 1 (1990)—Argentina.
- plowmanii W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 66 (1987)—Peru, Ecuador.
- volcanica W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 41 (1990)—Costa Rica.

**BUNIUM** (Umbellif.).

- subsect. *Aliformia* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- subsect. *Buniella* (Schischk.) E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988): *Basionym* not stated.
- subsect. *Coronata* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- subsect. *Corymbosa* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 83 (1988).
- subsect. *Cylindracea* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 85 (1988).
- sect. *Dicotylaria* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- sect. *Elegantia* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 83 (1988).
- subsect. *Ferulacea* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 83 (1988).
- sect. *Marginata* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 83 (1988).
- subsect. *Paniculata* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 83 (1988).
- subsect. *Persica* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- subsect. *Salsa* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 85 (1988).
- subsect. *Setacea* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- subsect. *Stricta* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 85 (1988).
- sect. *Vaginata* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 85 (1988).
- subsect. *Vallata* E.V. Klyuikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 84 (1988).
- bulbocastanum  
var. *balearicum* (Senn.) O. de Bolos & J. Vigo, *Fl. Paisos Catalans*, 2: 408 (1990): B. *balearicum*.
- subsp. *macuca* (Boiss.) O. de Bolos & J. Vigo, *Fl. Paisos Catalans*, 2: 408 (1990): B. *macuca*.
- kandaharicum K.H. Rechinger in *Fl. Iran.*, 162: 255 (1987)—Afghanistan.
- luristanicum K.H. Rechinger in *Fl. Iran.*, 162: 248 (1987)—Iran.
- tenuisectum E.P. Korovin in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(60): 5 (1975)—U.S.S.R. (Middle Asia).

**BUPLEURUM** (Umbellif.).

- atargense P.G. Gorovoi in *Feddes Repert.*, 101(9-10): 429 (1990), *corroto* to Art. 37.5 ICBN (1988)—U.S.S.R. (Soviet Far East).
- contractum E.P. Korovin in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(60): 4 (1975)—U.S.S.R. (Middle Asia).
- cuspidatum A. Bunge, *Beitr. Fl. Russl.*: 123 (1852)—U.S.S.R. (Middle Asia).†
- freitagii K.H. Rechinger in *Fl. Iran.*, 162: 290 (1987)—Afghanistan, Pakistan.
- greuteri S. Snogerup in *Davis & Hedge Festschrift (ed. Kit Tan)*: 23 (1989)—Greece.
- hakgalense J. Klackenberg in *Kew Bull.*, 43(1): 119 (1988)—Sri Lanka.
- isphairamicum M.G. Pimenov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(2): 80 (1989)—U.S.S.R. (Middle Asia).
- kabulicum K.H. Rechinger in *Fl. Iran.*, 162: 293 (1987)—Afghanistan.
- lancifolium  
subsp. *subovatum* (Link ex Spreng.) O. de Bolos & J. Vigo, *Fl. Paisos Catalans*, 2: 440 (1990): B. *subovatum*.
- luxiensis Y. Li & S.L. Pan in *Acta Phytotax. Sin.*, 24(2): 150 (1986)—China.

**BUPLEURUM**:-

- salicifolium R. Brown in C.L. von Buch, *Phys. Besch. Canar. Ins.*: 195 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 62 (1980)—Madeira.

**BURCHARDIA** (Colchicac.).

- bairdiae G.J. Keighery in *Fl. Australia*, 45: 470, 408 (1987)—Australia (W. Australia).
- rosea G.J. Keighery in *Fl. Australia*, 45: 471, 410 (1987)—Australia (W. Australia).

**BURDACHIA** Juss. ex S.L. Endlicher, *Gen. Pl.*: 1064 (April 1840). **MALPIGHIACEAE**. †

- ×**BURKHARDTARA** hort. in *Orchid Rev.*, 95(1126): centre page pull-out p. 8 (1987). **ORCHIDACEAE**. (Leochilus × Odontoglossum × Oncidium × Rodriguezia).

**BURMANNIA** (Burmanniac.).

- compacta P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 53 (1986)—Venezuela.
- cryptopetala  
var. *baxikangensis* Y.B. Chang & Z. Wei in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 37 (1989)—China.
- foliosa  
subsp. *marahuacensis* B. Maguire & J. Steyermark in *Acta Bot. Venezuel.*, 14(3): 19 (1984)—Venezuela.

**BURMEISTERA** (Campanulac.).

- intii J. Gómez-Laurito & L.D. Gómez in *Brenesia*, 25-26: 311 (1986 publ. 1988)—Costa Rica.
- multipinnatisecta G. Lozano C. & G. Galeano G. in *Caldasia*, 15(71-75): 53 (1986)—Colombia.
- pinnatisecta J.L. Luteyn in *Syst. Bot.*, 11(3): 474 (1986)—Colombia.

**BURRETIODENDRON** (Tiliac.).

- kydiifolium Hsu & R. Zhuge in *J. Arnold Arbor.*, 71(3): 378 (1990)—China.

**BURSERIA** (Burserac.).

- medranoana J. Rzedowski & E. Ortiz in *Acta Bot. Mex.*, 1: 17 (1988)—Mexico.
- mirandae C.A. Toledo Manzur in *Biotica*, 9(9): 441 (1984 publ. 1985)—Mexico.
- rzedowskii C.A. Toledo Manzur in *Biotica*, 9(4): 444 (1984 publ. 1985)—Mexico.
- suntui C.A. Toledo Manzur in *Biotica*, 9(4): 446 (1984 publ. 1985)—Mexico.

- ×**BUTYAGRUS** P. Vorster in *Taxon*, 39(4): 662 (1990), nom. nov.: × *Butiarcistrum* Proschowsky (Palmae).
- nabonnandii (Proschowsky) P. Vorster in *Taxon*, 39(4): 662 (1990): × *Butiarcistrum nabonnandii*.

**BUXUS** (Buxac.).

- sect. *Notobuxus* (Oliv.) I. Friis in *Kew Bull.*, 44(2): 297 (1989); gen. *Notobuxus*.
- acutata I. Friis in *Kew Bull.*, 44(2): 297 (1989), nom. nov.: *Macropodandra acuminata* Gilg.
- cordata (Radcliffe-Smith) I. Friis in *Kew Bull.*, 44(2): 297 (1989): *Notobuxus cordata*.
- koreana  
f. *elongata* (Nakai) Y.S. Kim & J.H. Kim in *Korean J. Pl. Taxon.*, 18(3): 214 (1988): B. *koreana* var. *elongata*.
- f. *insularis* (Nakai) Y.S. Kim & J.H. Kim in *Korean J. Pl. Taxon.*, 18(3): 214 (1988): B. *microphylla* var. *insularis*.
- microphylla  
var. *liukiuiensis* (Makino) S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 3: *Colour. Illustr. Ligneous Pl. Taiwan*, 1: 375 (1987), without basionym ref.: *Basionym* not stated.
- f. *pubescens* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 114 (1988)—Taiwan.
- sinica  
var. *koreana* (Nakai ex Rehd.) Q.L. Wang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1113 (1988): B. *microphylla* var. *koreana*.

**BYRSONIMA** (Malpighiac.).

- dubia W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 42 (1990)—Venezuela.  
karstenii W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 43 (1990)—Venezuela.

**BYSTROPOGON** (Labiat.).

- sect. Canariense I.E. La Serna Ramos, *Rev. Gén. Bystropogon* (Phanerogam. Monogr., 18): 49 (1984).  
× beltraniae I.E. La Serna Ramos, *Rev. Gén. Bystropogon* (Phanerogam. Monogr., 18): 289 (1984), as 'beltranii'—Canary Is. (B. canariensis var. smithianus × plumosus).  
origanifolius  
var. canariae I.E. La Serna Ramos, *Rev. Gén. Bystropogon* (Phanerogam. Monogr., 18): 144 (1984)—Canary Is.  
var. ferrensis (Ceb. & Ort.) I.E. La Serna Ramos, *Rev. Gén. Bystropogon* (Phanerogam. Monogr., 18): 153 (1984): B. plumosus var. ferrensis.  
wildpretii I.E. La Serna Ramos, *Rev. Gén. Bystropogon* (Phanerogam. Monogr., 18): 213 (1984)—Canary Is.

**BYTTNERIA** (Sterculiac.).

- caripensis C.L. Cristóbal in *Bonplandia*, 6(2): 125 (1989)—Venezuela.  
schunkei C.L. Cristóbal in *Bol. Soc. Argent. Bot.*, 24(1–2): 125 (1985)—Peru.

**C****CABOMBA** (Cabombac.).

- haynesii J.H. Wiersma in *Ann. Missouri Bot. Gard.*, 76(4): 1167 (1989)—Panama, Salvador, Honduras, Nicaragua, Colombia, Ecuador, Venezuela, Cuba, Jamaica, Puerto Rico.

**CABRALEA** A. Jussieu in Mirb. & Cass. apud Guill. in *Bull. Sci. Nat. Geol.*, 23: 237 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELLIACEAE**.

- canjerana  
subsp. selloi (C.DC.) H. de Souza Barreiros in *Rev. Brasil. Biol.*, 46(1): 24 (1986): C. selloi.

**CABRERIELLA** (Compos.).

- oppositicordia (Cuatr.) J. Cuatrecasas in *Proc. Biol. Soc. Wash.*, 98(3): 626 (1985): *Senecio oppositicordius*.

**CACALIA** (Compos.).

- chola (W.W. Smith) R. Mathur in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 20 (1988): *Senecio chola*.  
levingii (Clarke) R. Mathur in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 20 (1988): *Senecio levingii*.  
longispica Z.Y. Zhang & Y.H. Guo in *Fl. Tsinlingensis*, 1(5): 422, 298 (1985)—China.  
pinnata Adams ex G.F. Hoffm., *Hort. Mosq.*: 7 (1808); cf. D.J. Mabberley in *Taxon*, 31(1): 69 (1982)—Locality not stated.

**CACCINIA** (Boraginac.).

- dubia A. Bunge, *Beitr. Fl. Russl.*: 242 (1852)—U.S.S.R. (Middle Asia).†

**CACHRYDS** (Umbellif.).

- trifida  
var. aragonensis (Molero) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 437 (1990): *Prangos trifida* var. aragonensis.

**CACTUS** (Cactac.).

- aphyllus A. Aikman in H. Barham, *Hort. Amer.*: 217, 70 (1794), without descr.; cf. D.J. Mabberley in *Taxon*, 30(1): 13 (1981)—Locality not stated.  
kagenickii C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 48 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
langsdorffii J.G.C. Lehmann in *Sem. Hort. Bot. Hamb.*: 17 (1826)—Locality not stated.†

**CADAMBA** (Rubiace.).

- nocturna F. Buchanan-Hamilton in *Trans. Linn. Soc.*, 15: 93 (1827); fide D.J. Mabberley in *Taxon*, 26(5–6): 530 (1977)—India.

**CADETIA** (Orchidac.).

- quadrangularis P.J. Cribb & B. Lewis in *Orchid Rev.*, 97(1150): 251 (1989)—Vanuatu.

**CAESALPINIA** (Legumin.).

- epifanioi J.L. Contreras Jiménez in *An. Inst. Biol. Univ. Nac. Autón. Mex., Bot.*, 58: 55 (1987 publ. 1989)—Mexico.  
madagascariensis (R. Viguier) S. Senesle in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 79 (1988): *Denisophytum madagascariense*.  
sepiaria  
var. pubescens Tang & Wang ex C.W. Chang in *Fl. Tsinlingensis*, 1(3): 444, 8 (1981)—China.

**CAESIA** (Anthericac.).

- calliantha R.J.F. Henderson in *Fl. Australia*, 45: 471, 286 (1987)—Australia (S. Australia, New South Wales, Victoria), Tasmania.  
parviflora  
var. minor R.J.F. Henderson in *Fl. Australia*, 45: 471, 285 (1987)—Australia (S. Australia, New South Wales, Victoria), Tasmania.  
var. vittata (R. Br.) R.J.F. Henderson in *Fl. Australia*, 45: 472 (1987): C. vittata.  
viscida G.J. Keighery in *Nuytsia*, 7(2): 133 (1990)—Australia (W. Australia).

**CAJANUS** (Legumin.).

- sect. Fruticosa L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 47 (1985 publ. 1986).  
sect. Volubilis L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 47 (1985 publ. 1986).  
acutifolius (F. v. Muell.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 52 (1985 publ. 1986): *Atylosia acutifolia*.  
albicans (W. & A.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 55 (1985 publ. 1986): *Cantharosperrum albicans*.  
aromaticum L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 61 (1985 publ. 1986)—Australia (N. Terr.).  
cajanifolius (Haines) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 91 (1985 publ. 1986): *Atylosia cajanifolia*.  
crassicaulis L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 103 (1985 publ. 1986)—Australia (N. Terr., W. Australia).  
crassus (Prain ex King) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 105, 110 (1985 publ. 1986): *Atylosia crassa*.  
var. burmanicus (Collett & Hemsley) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 109 (1985 publ. 1986): *Atylosia burmanica*.  
elongatus (Benth.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 115 (1985 publ. 1986): *Atylosia elongata*.  
grandiflorus (Benth. ex Bak.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 125 (1985 publ. 1986): *Atylosia grandiflora*.  
heynei (W. & A.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 129 (1985 publ. 1986): *Dunbaria heynei*.  
lanceolatus (W.V. Fitzg.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 135 (1985 publ. 1986): *Atylosia lanceolata*.  
lanuginosus L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 137 (1985 publ. 1986)—Australia (Queensland).  
latisepalus (Reynolds & Pedley) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 139 (1985 publ. 1986): *Atylosia latisepala*.  
lineatus (W. & A.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 143 (1985 publ. 1986): *Atylosia lineata*.  
mareebensis (Reynolds & Pedley) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 149 (1985 publ. 1986): *Atylosia mareebensis*.  
mollis (Benth.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 154 (1985 publ. 1986): *Atylosia mollis*.

**CAJANUS** :-

- niveus (Benth.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 157 (1985 publ. 1986): *Atylosia nivea*.  
platycarpus (Benth.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 160 (1985 publ. 1986): *Atylosia platycarpa*.  
pubescens (Ewart & Morrison) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 164 (1985 publ. 1986): *Tephrosia pubescens*.  
reticulatus  
var. grandifolius (F. v. Muell.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 171 (1985 publ. 1986): C. grandifolius.  
var. maritimus (Reynolds & Pedley) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 175 (1985 publ. 1986): *Atylosia reticulata* subsp. maritima.  
rugosus (W. & A.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 179 (1985 publ. 1986): *Atylosia rugosa*.  
scarabaeoides  
var. pedunculatus (Reynolds & Pedley) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 188 (1985 publ. 1986): *Atylosia scarabaeoides* var. pedunculata. N1  
sericeus (Benth. ex Bak.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 195 (1985 publ. 1986): *Atylosia sericea*.  
trinervius (DC.) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 199 (1985 publ. 1986): *Collaea trinervia*.  
villosus (Benth. ex Baker) L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 205 (1985 publ. 1986): *Atylosia villosa*.  
viscidus L.J.G. van der Maesen in *Agric. Univ. Wageningen Pap.*, 85(4): 207 (1985 publ. 1986)—Australia (W. Australia).

**CAKILE** (Crucif.).

- maritima  
subsp. integrifolia (Hornem.) Hyl. ex W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: 74 (1986): C. maritima var. integrifolia.

**CALADENIA** (Orchidac.).

- atroclavia D.L. Jones & M.A. Clements in *Austrobaileya*, 2(5): 552 (1988)—Australia (Queensland).  
brachyscapa G.W. Carr in *Muelleria*, 6(6): 439 (1988)—Australia (Victoria).  
caesarea (Domin) M.A. Clements & Hopper in *Austral. Orchid Res.*, 1: 21 (1989): C. filamentosa var. caesarea.  
calicicola G.W. Carr in *Muelleria*, 6(3–4): 185 (1986)—Australia (Victoria).  
concinna (Rupp) D. Jones & M.A. Clements in *Austral. Orchid Res.*, 1: 22 (1989): C. dilatata var. concinna.  
eminens (Domin) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 24 (1989): C. longicauda var. eminens.  
falcata (Nicholls) M.A. Clements & Hopper in *Austral. Orchid Res.*, 1: 24 (1989): C. dilatata var. falcata.  
fragrantissima D. Jones & G.W. Carr in *Austral. Orchid Res.*, 1: 24 (1989), nom. nov.: C. patersonii var. suaveolens Nicholls.  
fuscata (H.G. Reichb.) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 25 (1989): C. carnea var. fuscata.  
lindleyana (H.G. Reichb.) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 27 (1989): C. patersonii var. lindleyana.  
magnifica (Nicholls) D. Jones & G.W. Carr in *Austral. Orchid Res.*, 1: 27 (1989): C. patersonii var. magnifica.  
picta (Nicholls) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 29 (1989), without exact basionym page: C. alba var. picta.  
rhomboidiformis (E. Coleman) M.A. Clements & Hopper in *Austral. Orchid Res.*, 1: 30 (1989): C. dilatata var. rhomboidiformis.  
rosella G.W. Carr in *Muelleria*, 6(6): 442 (1988)—Australia (Victoria, New South Wales).  
valida (Nicholls) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 31 (1989): C. reticulata var. valida.

**CALADIUM** (Arac.).

- aturensis* G.S. Bunting in *Phytologia*, 60(5): 298 (1986)—Venezuela.  
*lindenii*  
*var. sylvestre* M.H. Grayum in *Ann. Missouri Bot. Gard.*, 73(2): 463 (1986)—Panama, Colombia.  
*paradoxum* J. Bogner & S.J. Mayo in *Willdenowia*, 18(1): 240 (1988)—Colombia.  
*steyermarkii* G.S. Bunting in *Phytologia*, 60(5): 300 (1986)—Venezuela.

**CALAMAGROSTIS** (Gramin.).

- subsect. Stylagrostis* (Mez) F.D. Escalona in *Phytologia*, 65(5): 338 (1988): gen. *Stylagrostis*.  
*arundinacea*  
*subsp. adpressi-ramea* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 494 (1987): C. *adpressi-ramea*.  
*subsp. heterogluma* (Nakai) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 494 (1987): C. *longiseta* var. *heterogluma*.  
*subsp. hymenoglossa* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 494 (1987): C. *hymenoglossa*.  
*var. laxiflora* (Rendle) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 101 (1988): *Deyeuxia sylvatica* var. *laxiflora*.  
*var. ligulata* (Rendle) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 101 (1988), isonym; see M. Kitagawa, *Neo-Lineam. Fl. Manshur.*: 73 (1979): *Deyeuxia sylvatica* var. *ligulata*.  
*autumnalis*  
*subsp. microtis* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 495 (1987): C. *autumnalis* var. *microtis*.  
*cleefii* F.D. Escalona in *Phytologia*, 65(5): 339 (1988)—Colombia.  
*czerepanovii* Sh.A. Guseinov in *Bot. Zhurn.*, 73(12): 1743 (1988)—U.S.S.R. (Caucasus).  
*diffusa* (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 108 (1988), isonym; see P.C. Keng in *Bull. Bot. Res. North-East. Forest. Inst.*, 4(3): 195 (1984): *Deyeuxia diffusa*.  
*dubia* A. Bunge, *Beitr. Fl. Russl.*: 348 (1852)—U.S.S.R. (Middle Asia).  
*effusiflora* (Rendle) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 88 (1988): *Deyeuxia effusiflora*.  
*filipes* (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 92 (1988): *Deyeuxia filipes*.  
*guamanensis* F.D. Escalona in *Phytologia*, 65(5): 340 (1988)—Ecuador.  
*henryi* (Rendle) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 90 (1988): *Deyeuxia henryi*.  
*hupehensis* (Rendle) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 95 (1988), isonym; see Tsoong in *Contrib. Inst. Bot. Nat. Acad. Peiping*, 4: 151 (1936): *Deyeuxia hupehensis*.  
*levipes* (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 95 (1988): *Deyeuxia levipes*.  
*longiseta*  
*subsp. longearistata* (Takeda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 496 (1987): C. *grandiseta* var. *longearistata*.  
*minarovii* Sh.A. Guseinov in *Bot. Zhurn.*, 73(12): 1741 (1988)—U.S.S.R. (Caucasus).  
*nagensis* (Bor) B.P. Uniyal in *J. Econ. Taxon. Bot.*, 8(1): 235 (1986): *Agrostis nagensis*.  
*neglecta*  
*subsp. aculeolata* (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 496 (1987): C. *stricta* var. *aculeolata*.  
*niitakayamensis*  
*subsp. masamunei* (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 496 (1987): C. *masamunei*.  
*purpurea*  
*subsp. angustifolia* (Kom.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): C. *angustifolia*.  
*ramonae* F.D. Escalona in *Phytologia*, 65(5): 342 (1988)—Venezuela.  
*sikangensis* (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 97 (1988): *Deyeuxia sikangensis*.

**CALAMAGROSTIS** :-

- sinelator* (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 90 (1988): *Deyeuxia sinelator*.  
*tzvelevii* Sh.A. Guseinov in *Bot. Zhurn.*, 73(12): 1742 (1988)—U.S.S.R. (Caucasus).

**CALAMINTHA** (Labiata).

- caroli-henricana* Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 100 (1987)—Turkey.  
*rouyana* (Briq.) J.J. Pericás & J.A. Rosselló in *Candollea*, 42(1): 397 (1987): *Satureja rouyana*.

- ×**CALAMMOPHILA** A. Brand in Koch, *Syn. Deutsch. Schweiz. Fl.*, ed. 3, 3: 2715 (1907). GRAMINEAE. (*Ammophila* × *Calamagrostis*).  
*baltica* (Flügge ex Schrader) A. Brand in Koch, *Syn. Deutsch. Schweiz. Fl.*, ed. 3, 3: 2715 (1907): *Arundo baltica*.

**CALAMUS** (Palmae).

- sect. Aulacospermus* C.F. Wei in *Guihaia*, 6(1-2): 34 (1986).  
*sect. Brevicirrhos* C.F. Wei in *Guihaia*, 6(1-2): 35 (1986), without type.  
*sect. Heterostachyus* C.F. Wei in *Guihaia*, 6(1-2): 32 (1986).  
*subgen. Protocalamus* C.F. Wei in *Guihaia*, 6(1-2): 23 (1986).  
*subgen. Rhachicirrus* C.F. Wei in *Guihaia*, 6(1-2): 35 (1986).  
*acanthochlamys* J. Dransfield in *Kew Bull.*, 45(1): 85 (1990)—Borneo (Sarawak).  
*aidae* E.S. Fernando in *Gard. Bull. Singapore*, 41(2): 49 (1988 publ. 1989)—Philippine Is.  
*austroguangxiensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 144 (1989), as 'austroguangxiensis'—China.  
*balansaeanus*  
*var. castaneolepis* (Wei) S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 134 (1989): C. *henryanus* var. *castaneolepis*.  
*balerensis* E.S. Fernando in *Gard. Bull. Singapore*, 41(2): 51 (1988 publ. 1989)—Philippine Is.  
*comptus* J. Dransfield in *Kew Bull.*, 45(1): 98 (1990)—Borneo (Sabah, Sarawak).  
*crassifolius* J. Dransfield in *Kew Bull.*, 45(1): 94 (1990)—Borneo (Sarawak).  
*dianbaiensis* C.F. Wei in *Guihaia*, 6(1-2): 24 (1986)—China.  
*distichus*  
*var. shangsiensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 140 (1989)—China.  
*divaricatus*  
*var. contrarius* J. Dransfield in *Kew Bull.*, 45(1): 89 (1990)—Borneo (Sarawak).  
*dransfieldii* C. Renuka in *Kew Bull.*, 42(2): 433 (1987)—India.  
*faberi*  
*var. brevispicatus* (Wei) S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 133 (1989): C. *tonkinensis* var. *brevispicatus*.  
*feanus*  
*var. medogensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 137 (1989)—Xizang.

- flagellum*  
*var. furvifuraceus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 133 (1989)—China.  
*giganteus*  
*var. robustus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 143 (1989)—China.  
*guangxiensis* C.F. Wei in *Guihaia*, 6(1-2): 28 (1986)—China.  
*henryanus*  
*var. castaneolepis* C.F. Wei in *Guihaia*, 6(1-2): 32 (1986)—China.  
*karinensis* (Becc.) S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 133 (1989): C. *flagellum* var. *karinensis*.  
*lambirensis* J. Dransfield in *Kew Bull.*, 45(1): 89 (1990)—Borneo (Sarawak, Brunei).  
*maximus* Reinw. ex De Vriese, *Hort. Spaarn-Berg.*: 35 (1839); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.  
*nambariensis*  
*var. alpinus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 141 (1989)—China.

**CALAMUS** :

- var. furturaceus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 142 (1989)—China.  
*var. menglongensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 141 (1989)—China.  
*var. xishuangbannaensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 141 (1989)—China.  
*var. yingjiangensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 140 (1989)—China.  
*nanodendron* J. Dransfield in *Kew Bull.*, 45(1): 90 (1990)—Borneo (Sarawak).  
*obovoideus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 142 (1989)—China.  
*orientalis* C.E. Chang in *Quart. J. Chinese Forest.*, 21(1): 108 (1988)—Taiwan.  
*ornatus*  
*var. pulverulentus* E.S. Fernando in *Gard. Bull. Singapore*, 41(2): 53 (1988 publ. 1989)—Philippine Is.  
*palustris*  
*var. longistachys* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 138 (1989)—China.  
*paulii* J. Dransfield in *Kew Bull.*, 45(1): 81 (1990)—Borneo (Sarawak).  
*platyacanthus*  
*var. mediostachys* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 143 (1989)—China.  
*psilocladus* J. Dransfield in *Kew Bull.*, 45(1): 96 (1990)—Borneo (Sarawak).  
*rhabdocladus*  
*var. globulosus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 137 (1989)—China.  
*sabalensis* J. Dransfield in *Kew Bull.*, 45(1): 83 (1990)—Borneo (Sarawak).  
*simplicifolius* C.F. Wei in *Guihaia*, 6(1-2): 36 (1986)—China.  
*thysanolepis*  
*var. polylepis* C.F. Wei in *Guihaia*, 6(1-2): 24 (1986)—China.  
*tonkinensis*  
*var. brevispicatus* C.F. Wei in *Guihaia*, 6(1-2): 31 (1986)—China.  
*vattayila* C. Renuka in *Current Sci.*, 56(19): 1012 (1987)—India.  
*wailong* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 138 (1989)—China.  
*yuangchunensis* C.F. Wei in *Guihaia*, 6(1-2): 26 (1986)—China.  
*yunnanensis* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 134 (1989), with two types cited—China.  
*var. densiflorus* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 135 (1989)—China.  
*var. intermedius* S.J. Pei & S.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 137 (1989)—China.

**CALANDRINIA** (Portulacac.).

- sect. Pachypoda* W.A. Kelley & J.R. Swanson in *Phytologia*, 60(3): 172 (1986).  
*pachypoda*  
*subsp. eyerdamii* W.A. Kelley & J.R. Swanson in *Phytologia*, 60(3): 173 (1986)—Bolivia.

**CALANTHE** (Orchidac.).

- baliensis* J.J. Wood & J.B. Comber in *Kew Bull.*, 41(3): 698 (1986)—Lesser Sunda Is.  
*candida* J. Bosser in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(1): 34 (1989)—Mauritius, Réunion.  
*imthurnii* P.J. Kores in *Allertonia*, 5(1): 126 (1989)—Fiji.  
*plantaginea*  
*var. lushuiensis* K.Y. Lang & Z.H. Tsi in *Acta Phytotax. Sin.*, 25(5): 404 (1987)—China.

- ×**CALASSODIA** M.A. Clements in *Austral. Orchid Res.*, 1: 33 (1989). ORCHIDACEAE. (*Caladenia* × *Glossodia*).  
*tutelata* (R. Rogers) M.A. Clements in *Austral. Orchid Res.*, 1: 33 (1989): *Caladenia tutelata*.

**CALATHEA** (Marantac.).

- anderssonii* H. Kennedy in *Canad. J. Bot.*, 63(6): 1145 (1985)—Ecuador.  
*anulque* H. Kennedy in *Fl. Ecuador*, 32(224): 38 (1988)—Ecuador.  
*asplundii* H. Kennedy in *Fl. Ecuador*, 32(224): 53 (1988)—Ecuador.

**CALATHEA** :-

- attenuata* H. Kennedy in *Nordic J. Bot.*, 6(2): 146 (1986)—Colombia, Ecuador, Brazil, Peru.  
*bantae* H. Kennedy in *Canad. J. Bot.*, 64(7): 1321 (1986)—Ecuador, Colombia.  
*clivorum* H. Kennedy in *Canad. J. Bot.*, 63(6): 1147 (1985)—Ecuador.  
*congesta* H. Kennedy in *Fl. Ecuador*, 32(224): 40 (1988)—Ecuador.  
*curaraya* H. Kennedy in *Fl. Ecuador*, 32(224): 128 (1988)—Ecuador.  
*dilabens* L. Andersson & H. Kennedy in *Nordic J. Bot.*, 6(4): 450 (1986)—French Guiana.  
*erecta* L. Andersson & H. Kennedy in *Nordic J. Bot.*, 6(4): 448 (1986)—French Guiana, Brazil.  
*fucata* H. Kennedy in *Fl. Ecuador*, 32(224): 133 (1988)—Ecuador, Colombia.  
*gandersii* H. Kennedy in *Fl. Ecuador*, 32(224): 110 (1988)—Ecuador.  
*granvillei* L. Andersson & H. Kennedy in *Nordic J. Bot.*, 6(4): 451 (1986)—French Guiana, Brazil.  
*hagbergii* H. Kennedy in *Fl. Ecuador*, 32(224): 52 (1988)—Ecuador.  
*harlingii* H. Kennedy in *Fl. Ecuador*, 32(224): 28 (1988)—Ecuador.  
*ischnosiphonoides* H. Kennedy in *Fl. Ecuador*, 32(224): 45 (1988)—Ecuador.  
*lagoagriana* H. Kennedy in *Nordic J. Bot.*, 6(2): 148 (1986)—Ecuador, Colombia.  
*lanicaulis* H. Kennedy in *Canad. J. Bot.*, 63(6): 1143 (1985)—Ecuador.  
*latrinotecta* H. Kennedy in *Fl. Ecuador*, 32(224): 42 (1988)—Ecuador.  
*majestica* (Linden) H. Kennedy in *Canad. J. Bot.*, 64(7): 1325 (1986)—Maranta majestica.  
*multicincta* H. Kennedy in *Canad. J. Bot.*, 64(7): 1323 (1986)—Ecuador.  
*pallidicosta* H. Kennedy in *Nordic J. Bot.*, 6(2): 143 (1986)—Ecuador.  
*paucifolia* H. Kennedy in *Fl. Ecuador*, 32(224): 86 (1988)—Ecuador.  
*pluriplicata* H. Kennedy in *Fl. Ecuador*, 32(224): 49 (1988)—Ecuador.  
*plurispicata* H. Kennedy in *Fl. Ecuador*, 32(224): 33 (1988)—Ecuador.  
*poepigiana* Loesener ex H. Kennedy in *Fl. Ecuador*, 32(224): 77 (1988)—Ecuador, Brazil, Colombia, Peru, Bolivia.  
*roseobracteata* H. Kennedy in *Nordic J. Bot.*, 6(4): 459 (1986)—Ecuador.  
*selbyana* H. Kennedy in *Fl. Ecuador*, 32(224): 63 (1988)—Ecuador.  
*squarrosa* L. Andersson & H. Kennedy in *Nordic J. Bot.*, 6(4): 454 (1986)—French Guiana.  
*steyermarkii* H. Kennedy & K. Nagata in *Brittonia*, 41(2): 164 (1989)—Venezuela.  
*striata* H. Kennedy in *Fl. Ecuador*, 32(224): 60 (1988)—Colombia, Ecuador.  
*tinalandia* H. Kennedy in *Canad. J. Bot.*, 63(6): 1141 (1985)—Ecuador.  
*utilis* H. Kennedy in *Nordic J. Bot.*, 6(4): 457 (1986)—Ecuador.

**CALATHIANA** (Gentianac.).

- terglouensis*  
*subsp. schleicheri* (Vaccari) Á. Löve & D. Löve in *Taxon*, 35(4): 898 (1986): *Gentiana verna* f. *schleicheri*.  
*verna*  
*subsp. pontica* (Soltok.) Á. Löve & D. Löve in *Taxon*, 35(4): 898 (1986): *Gentiana pontica*.  
*subsp. tergestina* (G. Beck) Á. Löve & D. Löve in *Taxon*, 35(4): 898 (1986): *Gentiana angulosa* f. *tergestina*.

**CALCEOLARIA** (Scrophulariac.).

- sect. Bellidifoliae* (Benth) U. Molau in *Fl. Neotrop.*, 47: 288 (1988): C. § *Bellidifoliae*.  
*sect. Engleriana* U. Molau in *Fl. Neotrop.*, 47: 101 (1988).  
*subgen. Rosula* (Descole & Borsini) U. Molau in *Fl. Neotrop.*, 47: 287 (1988): C. *sect. Rosula*.  
*sect. Rotundifoliae* U. Molau in *Fl. Neotrop.*, 47: 270 (1988).  
*aperta*  
*subsp. incana* (Molau) U. Molau in *Fl. Neotrop.*, 47: 195 (1988): C. *incana*.

**CALCEOLARIA** :-

- atahualpae*  
*subsp. witasekiana* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 54 (1988): C. *witasekiana*.  
*barbata* U. Molau in *Fl. Neotrop.*, 47: 132 (1988)—Peru.  
*bentae* U. Molau in *Fl. Neotrop.*, 47: 318 (1988)—Ecuador.  
*biflora*  
*f. falklandica* (Sp. Moore) W. Bowden in *J. Ontario Rock Gard. Soc.*, June: 3 (1986): *Fagelia falklandica*.  
*commutata* U. Molau in *Fl. Neotrop.*, 47: 124 (1988)—Ecuador.  
*comosa*  
*subsp. elegans* U. Molau in *Fl. Neotrop.*, 47: 168 (1988)—Peru.  
*cuneiformis*  
*subsp. xerophila* U. Molau in *Fl. Neotrop.*, 47: 177 (1988)—Peru.  
*engleriana*  
*subsp. lutea* U. Molau in *Fl. Neotrop.*, 47: 106 (1988)—Peru.  
*ericoides*  
*subsp. peruviana* U. Molau in *Fl. Neotrop.*, 47: 131 (1988)—Peru.  
*fabrisii* S.M. Botta & A.L. Cabrera in *Darwiniana*, 27(1-4): 1 (1986)—Argentina, Bolivia.  
*flexuosa*  
*subsp. chrysocalyx* (Pennell) U. Molau in *Fl. Neotrop.*, 47: 199 (1988): C. *chrysocalyx*.  
*frondosa* U. Molau in *Fl. Neotrop.*, 47: 67 (1988)—Ecuador.  
*harlingii* U. Molau in *Fl. Neotrop.*, 47: 316 (1988)—Ecuador.  
*inamoena*  
*subsp. millefoliata* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 180 (1988): C. *millefoliata*.  
*incarnum*  
*subsp. sanchezii* U. Molau in *Fl. Neotrop.*, 47: 220 (1988)—Peru.  
*lanceolata*  
*f. acutifolia* (Witasek) W. Bowden in *J. Ontario Rock Gard. Soc.*, June: 3 (1986): C. *acutifolia*.  
*f. polyrrhiza* (Cav.) W. Bowden in *J. Ontario Rock Gard. Soc.*, June: 3 (1986): C. *polyrrhiza*.  
*obliqua* U. Molau in *Fl. Neotrop.*, 47: 215 (1988)—Peru.  
*olivacea* U. Molau in *Fl. Neotrop.*, 47: 109 (1988)—Peru.  
*parvifolia*  
*subsp. guentheri* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 172 (1988): C. *guentheri*.  
*pinnata*  
*subsp. delicatula* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 248 (1988): C. *delicatula*.  
*rufescens* U. Molau in *Fl. Neotrop.*, 47: 317 (1988)—Peru.  
*tetragona*  
*subsp. endopogon* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 81 (1988): C. *endopogon*.  
*trilobata*  
*subsp. aequilaterialis* (Edwin) U. Molau in *Fl. Neotrop.*, 47: 242 (1988): C. *aequilaterialis*.  
*subsp. herzogiana* (Kränzlin) U. Molau in *Fl. Neotrop.*, 47: 243 (1988): C. *herzogiana*.

**CALEA** (Compos.).

- abbreviata* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 40(4): 348 (1988)—Brazil.  
*dalyi* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 39(2): 201 (1987)—Bolivia.  
*fruticosa* (Gardner) L.E. Urbatsch, A. Zlotzky & J.F. Pruski in *Syst. Bot.*, 11(4): 506 (1986): *Amphiclelea fruticosa*.  
*heteropappa* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 40(4): 346 (1988)—Brazil.  
*intermedia* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 40(4): 351 (1988)—Brazil.  
*lutea* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 40(4): 353 (1988)—Brazil.  
*oaxacana* (B. Turner) B.L. Turner in *Phytologia*, 65(3): 241 (1988): *Tetrachyron oaxacanum*.  
*quadrifolia* J.F. Pruski & L.E. Urbatsch in *Brittonia*, 40(4): 341 (1988)—Brazil.  
*saddiana* G.M. Barroso in *Arq. Jard. Bot. Rio de Janeiro*, 28: 195 (1986-87 publ. 1988)—Brazil.

**CALEA** :-

- sickii* (Barroso) L.E. Urbatsch, A. Zlotzky & J.F. Pruski in *Syst. Bot.*, 11(4): 504 (1986): *Brasilia sickii*.  
*ternifolia*  
*var. hypoleuca* (Rob. & Greenm.) B.L. Turner in *Phytologia*, 65(2): 140 (1988): C. *hypoleuca*.

**CALENDULA** (Compos.).

- alata* K.H. Rechinger in *Fl. Iran.*, 164: 104 (1989)—Iran, Iraq, U.S.S.R. (Middle Asia), Pakistan, India.  
*arvensis*  
*var. macroptera* (Rouy) O. de Bolos & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988): C. *arvensis* subsp. *macroptera*.

**CALIBRACHOA** (Solanac.).

- caesia* (Sendtn.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 101 (1990): *Petunia caesia*.  
*calycina* (Sendtn.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 101 (1990): *Petunia calycina*.  
*ericaefolia* (R.E. Fries) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 101 (1990): *Petunia ericaefolia*.  
*excellens* (R.E. Fries) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 101 (1990): *Petunia excellens*.  
*hassleriana* (R.E. Fries) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 101 (1990): *Petunia hassleriana*.  
*heterophylla* (Sendtn.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia heterophylla*.  
*linearis* (Hook.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Salpiglossis linearis*.  
*linoides* (Sendtn.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia linoides*.  
*macrodactylon* (Smith & Downs) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia macrodactylon*.  
*paranensis* (Dusen) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia paranensis*.  
*parviflora* (Jussieu) W.G. D'Arcy in *Phytologia*, 67(6): 465 (1989); et H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia parviflora*.  
*pygmaea* (R.E. Fries) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia pygmaea*.  
*regnellii* (R.E. Fries) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia regnellii*.  
*rupestris* (Dusen) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia rupestris*.  
*sellowiana* (Sendtn.) H.J.W. Wijsman in *Acta Bot. Neerl.*, 39(1): 102 (1990): *Petunia sellowiana*.

- ×**CALICHARIS** A.W. Meerow in *Ann. Missouri Bot. Gard.*, 76(1): 208 (1989). **AMARYLLIDACEAE**. (*Caliphurria* × *Eucharis*).  
*butcheri* (Traub.) A.W. Meerow in *Ann. Missouri Bot. Gard.*, 76(1): 208 (1989): *Eucharis butcheri*.

**CALICOTOME** (Legumin.).

- infesta*  
*subsp. intermedia* (C. Presl) W. Greuter in *Willdenowia*, 15(2): 428 (1986): C. *intermedia*.

**CALIPHURRIA** (Amaryllidac.).

- korsakoffii* (Traub) A.W. Meerow in *Ann. Missouri Bot. Gard.*, 76(1): 217 (1989): *Eucharis korsakoffii*.

**CALLAEUM** (Malpighiac.).

- antifebrile* (Griseb.) D.M. Johnson in *Syst. Bot.*, 11(2): 349 (1986): *Banisteria antifebrilis*.  
*chiapense* (Lundell) D.M. Johnson in *Syst. Bot.*, 11(2): 346 (1986): *Stigmaphyllon chiapense*.  
*clavipetalum* D.M. Johnson in *Syst. Bot.*, 11(2): 347 (1986)—Mexico.  
*coactum* D.M. Johnson in *Syst. Bot.*, 11(2): 342 (1986)—Mexico.  
*macropterum* (DC.) D.M. Johnson in *Syst. Bot.*, 11(2): 340 (1986): *Hiraea macroptera*.  
*malpighioides* (Turcz.) D.M. Johnson in *Syst. Bot.*, 11(2): 344 (1986): *Stigmaphyllon malpighioides*.  
*psilophyllum* (Adr. Juss.) D.M. Johnson in *Syst. Bot.*, 11(2): 351 (1986): *Hiraea psilophylla*.  
*reticulatum* D.M. Johnson in *Syst. Bot.*, 11(2): 348 (1986)—Peru, Ecuador.  
*septentrionale* (Adr. Juss.) D.M. Johnson in *Syst. Bot.*, 11(2): 343 (1986): *Hiraea septentrionalis*.



**CALLERYA** (Legumin.).

*nitida* (Benth.) R. Geesink, *Scala Millettiearum* (Leiden Bot. Ser., 8): 83 (1984): *Millettia nitida*.

**CALLIANDRA** (Legumin.).

*anomala*  
var. *longepedicellata* R. McVaugh, *Fl. Novo-Galiciana*, 5: 151 (1987)—Mexico.  
*erythrocephala* H.M. Hernández & M. Sousa S. in *Syst. Bot.*, 13(4): 519 (1988)—Mexico.  
*hygrophila* B.A. Mackinder & G.P. Lewis in *Kew Bull.*, 45(4): 681 (1990)—Brazil.  
*involuta* B.A. Mackinder & G.P. Lewis in *Kew Bull.*, 45(4): 683 (1990)—Brazil.  
*kingii* Prain ex S.R. Paul & T. Husain in *Feddes Repert.*, 97(11–12): 759 (1986)—Burma.  
*physocalyx* H.M. Hernández & M. Sousa S. in *Syst. Bot.*, 13(4): 521 (1988)—Mexico.  
*sesquipedalis* R. McVaugh, *Fl. Novo-Galiciana*, 5: 168 (1987)—Mexico.  
*slaneae* R.A. Howard in *Phytologia*, 61(1): 3 (1986)—Windward Is.

**CALLIANDROPSIS** H.M. Hernández & P. Guinet in *Kew Bull.*, 45(4): 609 (1990). **LEGUMINOSAE**.  
*nervosus* (Britton & Rose) H.M. Hernández & P. Guinet in *Kew Bull.*, 45(4): 609 (1990): *Anneslia nervosa*.

**CALLIANTHEMUM** (Ranunculac.).

*anemonoides* (Zahlbr.) Endl., *Cat. Horti Vindob.*, 2: 211 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984): *Basionym* not stated.  
*sachalinense*  
subsp. *kirishimensis* K. Sato & K. Ito in *J. Jap. Bot.*, 64(9): 268 (1989)—Japan.

**CALLICARPA** (Verbenac.).

*chejunsis* Y.H. Chung & H. Kim in *Korean J. Pl. Taxon.*, 19(1): 21 (1989)—Korea.  
*guizhouensis* H.T. Chang & Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(2): 99 (1986), without type—China.  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 153 (1784)—Japan.†  
*lanceolaria* Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 121 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.

**CALLIGONUM** (Polygonac.).

*cristatum* A. Bunge, *Beitr. Fl. Russl.*: 309 (1852)—Locality not stated.†  
*eriopodum* A. Bunge, *Beitr. Fl. Russl.*: 310 (1852)—U.S.S.R. (Middle Asia).†  
*mejidium* A.H. Al-Khayat in *Candollea*, 43(1): 273 (1988)—Iraq.  
var. *thirtharicum* A.H. Al-Khayat in *Candollea*, 43(1): 277 (1988)—Iraq.  
*murex* A. Bunge, *Beitr. Fl. Russl.*: 310 (1852)—U.S.S.R. (Middle Asia).†

**CALLIOPSIS** (Compos.).

*diversifolia* Huber, *Cat. 1866*: 4 (1866); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.

**CALLISIA** (Commelinac.).

sect. *Brachyphylla* D.R. Hunt in *Kew Bull.*, 41(2): 409 (1986).  
sect. *Cuthbertia* (Small) D.R. Hunt in *Kew Bull.*, 41(2): 409 (1986): gen. *Cuthbertia*.  
sect. *Hadrodemas* (H.E. Moore) D.R. Hunt in *Kew Bull.*, 41(2): 409 (1986): gen. *Hadrodemas*.  
sect. *Lauia* D.R. Hunt in *Kew Bull.*, 41(2): 409 (1986).  
*filiformis* (Martens & Galeotti) D.R. Hunt in *Kew Bull.*, 41(2): 410 (1986): *Tradescantia filiformis*.  
*gentlei*  
var. *elegans* (Alexander ex H.E. Moore) D.R. Hunt in *Kew Bull.*, 41(2): 411 (1986): *C. elegans*.  
var. *macdougallii* (Miranda) D.R. Hunt in *Kew Bull.*, 41(2): 411 (1986): *C. macdougallii*.  
*graminea* (Small) G.C. Tucker in *J. Arnold Arbor.*, 70(1): 118 (1989): *Cuthbertia graminea*.  
f. *leucantha* (Lakela) G.C. Tucker in *J. Arnold Arbor.*, 70(1): 118 (1989): *Cuthbertia graminea* f. *leucantha*.  
*ornata* (Small) G.C. Tucker in *J. Arnold Arbor.*, 70(1): 118 (1989): *Cuthbertia ornata*.

**CALLISIA** :-

*rosea* (Vent.) D.R. Hunt in *Kew Bull.*, 41(2): 409 (1986): *Tradescantia rosea*.

**CALLISTEMON** (Myrtac.).

*pauciflorus* R.D. Spencer & P.F. Lumley in *Muelleria*, 6(3–4): 295 (1986)—Australia (N. Terr.).  
*pearsonii* R.D. Spencer & P.F. Lumley in *Muelleria*, 6(3–4): 293 (1986)—Australia (Queensland).  
*pungens* P.F. Lumley & R.D. Spencer in *Muelleria*, 7(2): 253 (1990)—Australia (New South Wales, Queensland).  
*recurvus* R.D. Spencer & P.F. Lumley in *Muelleria*, 7(2): 255 (1990)—Australia (Queensland).

**CALLISTHENE** (Vochysiac.).

*castellanosii* H.F. Martins in *Bradea*, 5(13): 150 (1988)—Brazil.  
*kuhlmannii* H.F. Martins in *Bradea*, 5(13): 149 (1988)—Brazil.

**CALLITRICHE** (Callitrichac.).

*anisoptera* H.D. Schotsman in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 7 (1988)—Uganda, Zaïre.  
*hedbergiorum* H.D. Schotsman in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 13 (1988)—Ethiopia.  
*keniensis* H.D. Schotsman in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 10 (1988)—Kenya.  
*truncata*  
subsp. *occidentalis* (Rouy) H.D. Schotsman in *Lagascalia*, 14(1): 153 (1986): *C. truncata* race *occidentalis*.

**CALLITRIS** (Cupressac.).

*glaucophylla* J. Thompson & L.A.S. Johnson in *Telopea*, 2(6): 731 (1986)—Australia (New South Wales, N. Terr., Queensland, S. Australia, Queensland, W. Australia).

×**CALOARETHUSA** hort. in *Orchid Rev.*, 98(1164): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (*Arethusa* × *Calopogon*).

**CALOCHORTUS** (Liliac.).

*coxii* M.R. Godfrey & F.T. Callahan in *Phytologia*, 65(3): 216 (1988)—U.S.A. (Oregon).  
*raichei* S. Farwig & V. Girard in *Herbertia*, 43(1): 2 (1987)—U.S.A. (California).  
*umpquaensis* N.A. Fredricks in *Syst. Bot.*, 14(1): 12 (1989)—U.S.A. (Oregon).

**CALOGYNE** (Goodeniace.).

*pilosa*  
subsp. *chinensis* (Benth.) H.S. Kiu in *Guihaia*, 9(3): 194 (1989): *C. chinensis*.

**CALOPHACA** (Legumin.).

sect. *Glabriflora* N.V. Gorbunova, *Rod. Karagana i Kalofaka Sem. Bobov. Kirgiz.*: 165 (1987).  
*soongorica*  
var. *tianschanica* (B. Fedtsch.) N.V. Gorbunova, *Rod. Karagana i Kalofaka Sem. Bobov. Kirgiz.*: 162 (1987): *C. nigricans* var. *tianschanica*.

**CALOPHANOIDES** (Acanthac.).

*hygrophiloides* (F. Muell.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 237 (1986): *Justicia hygrophiloides*.  
*kouytcheensis* (Levl.) H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 5 (1988): *Ruellia repens* var. *kouytcheensis*.

**CALOPOGON** (Orchidac.).

*tuberosus*  
var. *simpsonii* (Small) L.K. Magrath in *Sida*, 13(3): 371 (1989): *Limodorum simpsonii*.

**CALOPSIS** (Restionac.).

*adpressa* E.E. Esterhuysen in *Bothalia*, 15(3–4): 465 (1985)—South Africa (Cape Province).  
*andreaeana* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 465 (1985): *Leptocarpus andreaeanus*.  
*aspera* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 465 (1985): *Hypolaena aspera*.  
*burchellii* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 465 (1985): *Leptocarpus burchellii*.

**CALOPSIS** :-

*clandestina* E.E. Esterhuysen in *Bothalia*, 15(3–4): 465 (1985)—South Africa (Cape Province).  
*dura* E.E. Esterhuysen in *Bothalia*, 15(3–4): 466 (1985)—South Africa (Cape Province).  
*esterhuyseniae* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 466 (1985): *Leptocarpus esterhuyseniae*.  
*filiformis* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Hypolaena filiformis*.  
*fruticosa* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Leptocarpus fruticosus*.  
*gracilis* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Hypolaena gracilis*.  
*hyalina* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Hypolaena hyalina*.  
*impolita* (Kunth) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Restio impolitus*.  
*levynsiae* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Leptocarpus levynsiae*.  
*marlothii* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 467 (1985): *Leptocarpus marlothii*.  
*membranacea* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 469 (1985): *Leptocarpus membranaceus*.  
*monostylis* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 469 (1985): *Leptocarpus monostylis*.  
*muirii* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 469 (1985): *Leptocarpus muirii*.  
*nudiflora* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 469 (1985): *Leptocarpus nudiflorus*.  
*pulchra* E.E. Esterhuysen in *Bothalia*, 15(3–4): 469 (1985)—South Africa (Cape Province).  
*rigida* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 470 (1985): *Leptocarpus rigidus*.  
*rigorata* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 470 (1985): *Leptocarpus rigoratus*.  
*sparsa* E.E. Esterhuysen in *S. Afr. J. Bot.*, 56(4): 454 (1990)—South Africa (Cape Province).  
*viminea* (Rottb.) H.P. Linder in *Bothalia*, 15(3–4): 470 (1985): *Restio vimineus*.

**CALOTESTA** P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 25 (1990). **COMPOSITAE**.

*alba* P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 25 (1990)—South Africa (Cape Province).

**CALOTHAMNUS** (Myrtac.).

subgen. *Pentacalothamnus* T.J. Hawkeswood in *Nuytsia*, 6(1): 71 (1987).  
*crassus* (Benth.) T.J. Hawkeswood in *Nuytsia*, 6(1): 86 (1987): *C. lateralis* f. *crassus*.  
*pallidifolius* (Benth.) T.J. Hawkeswood in *Nuytsia*, 6(1): 100 (1987): *C. planifolius* var. *pallidifolius*.

**CALPICARPUM** (Apocynac.).

*ornatum* Bull, *Retail List*, 199: 12 (1884); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Moluccas.

**CALTHA** (Ranunculac.).

subsect. *Natantes* M. Tamura in *Acta Phytotax. Geobot.*, 41(1–3): 97 (1990).  
*palustris*  
subsp. *araneosa* (Steenis) R. van der Meijden in *Gorteria*, 16(2): 48 (1990): *C. palustris* var. *araneosa*.  
var. *orientalisinensis* X.H. Guo in *Acta Phytotax. Sin.*, 25(3): 241 (1987), as 'orientali-sinensis'—China.

**CALYCANTHUS** (Calycanthac.).

*brockianus* R.J. Ferry & R.J. Ferry f. in *Sida*, 12(2): 340 (1987), as 'brockiana'—U.S.A. (Georgia).

**CALYCERA** (Calycerac.).

*sympaganthra* (R. & P.) C. Marticorena & M. Quezada in *Gayana, Bot.*, 44(1–4): 40 (1987 publ. 1988): *Scabiosa sympaganthra*.

**CALYCOLPUS** (Myrtac.).

*alternifolius* (Gleason) L.R. Landrum in *Madroño*, 36(1): 10 (1989): *Myrtus alternifolia*.  
*bolivarensis* L.R. Landrum in *Ann. Missouri Bot. Gard.*, 76(3): 930 (1989)—Venezuela.

**CALYCORECTES** (Myrtac.).

*beruttii* J.R. Mattos in *Loefgrenia*, 94: 9 (1989)—Brazil.  
*cucullatus* J.R. Mattos in *Loefgrenia*, 94: 10 (1989)—Brazil.



**CALYCORECTES** :-

striatulus *J.R. Mattos in Loefgrenia*, 94: 9 (1989)—Brazil.

**CALYPSO** (Orchidac.).

bulbosa  
var. speciosa (*Schltr.*) *J.J. Wood in Kew Mag.*, 3(4): 151 (1986): *C. speciosa*.

**CALYPTOCARPUS** (Compos.).

brasiliensis (*Nees & Mart.*) *B.L. Turner in Phytologia*, 64(3): 214 (1988): *Galophthalmum brasiliense*.

**CALYPTRANTHES** (Myrtac.).

acevedoi *Alain H. Liogier in Phytologia*, 61(6): 353 (1986)—Puerto Rico.  
banilejoana *Alain H. Liogier in Phytologia*, 61(6): 354 (1986)—Hispaniola (Dominican Republic).  
guayabillo *Alain H. Liogier in Phytologia*, 61(6): 354 (1986)—Hispaniola (Dominican Republic).  
jimenoana *Alain H. Liogier in Phytologia*, 61(6): 355 (1986)—Hispaniola (Dominican Republic).  
limoncillo *Alain H. Liogier in Phytologia*, 61(6): 355 (1986)—Hispaniola (Dominican Republic).  
quinoensis *J.R. Mattos in Loefgrenia*, 95: 2 (1989)—Brazil.  
restingae *M. Sobral in Napaea, Rev. Bot.*, 4: 11 (1988)—Brazil.

**CALYPTROCARYA** (Cyperac.).

delascioi *G. Davidse & R. Kral in Ann. Missouri Bot. Gard.*, 75(3): 855 (1988)—Venezuela.  
montesii *G. Davidse & R. Kral in Ann. Missouri Bot. Gard.*, 75(3): 853 (1988)—Venezuela.

**CALYPTROGENIA** (Myrtac.).

cuspidata *Alain H. Liogier in Phytologia*, 61(6): 356 (1986)—Hispaniola (Dominican Republic).

**CALYPTROGYNE** (Palmae).

anomala *G. de Nevers & A. Henderson in Syst. Bot.*, 13(3): 428 (1988)—Panama.

**CALYPTRONOMA** (Palmae).

plumeriana (*Martius*) *A. Lourteig in Phytologia*, 65(6): 484 (1989): *Geonoma* ? *plumeriana*.

**CALYSTEGIA** (Convolvulac.).

amurensis *N.S. Probatova in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 359 (1989)—U.S.S.R. (Soviet Far East).  
heterantha (*Nees & Martius*) *B.D. Jackson, Index Kewensis*, 1: 603 (1893): *Dufourea heterantha*.  
sepium  
var. hirsuta *K.T. Fu in Fl. Tsinlingensis*, 1(4): 398, 164 (1983)—China.  
spithamaca  
var. pubescens (*A. Gray*) *C.F. Reed in Phytologia*, 63(5): 411 (1987): *C. sepium* var. *pubescens*.

**CALYTRIX** (Myrtac.).

acutifolia (*Lindley*) *L.A. Craven in Brunonia*, 10(1): 122 (1987): *Lhotskya acutifolia*.  
amethystina *L.A. Craven in Brunonia*, 10(1): 108 (1987)—Australia (W. Australia).  
breviseta  
subsp. stipulosa (*W. Fitzg.*) *L.A. Craven in Brunonia*, 10(1): 113 (1987): *Calythrix stipulosa*.  
brownii (*Schauer*) *L.A. Craven in Brunonia*, 10(1): 42 (1987): *Calycothrix brownii*.  
carinata *L.A. Craven in Brunonia*, 10(1): 71 (1987)—Australia (N. Terr., W. Australia, S. Australia, Queensland).  
chrysantha *L.A. Craven in Brunonia*, 10(1): 90 (1987)—Australia (W. Australia).  
divergens *L.A. Craven in Brunonia*, 10(1): 61 (1987)—Australia (W. Australia).  
drummondii (*Meissner*) *L.A. Craven in Brunonia*, 10(1): 93 (1987): *Calycothrix drummondii*.  
duplistipulata *L.A. Craven in Brunonia*, 10(1): 48 (1987)—Australia (W. Australia).  
eneabbensis *L.A. Craven in Brunonia*, 10(1): 55 (1987)—Australia (W. Australia).  
erosipetala *L.A. Craven in Brunonia*, 10(1): 37 (1987)—Australia (W. Australia).  
formosa *L.A. Craven in Brunonia*, 10(1): 105 (1987)—Australia (W. Australia).

**CALYTRIX** :-

glaberrima (*F. Muell.*) *L.A. Craven in Brunonia*, 10(1): 26 (1987): *Lhotskya glaberrima*.  
gurulmundensis *L.A. Craven in Brunonia*, 10(1): 79 (1987)—Australia (Queensland).  
gypsophila *L.A. Craven in Brunonia*, 10(1): 36 (1987)—Australia (S. Australia).  
habrantha *L.A. Craven in Brunonia*, 10(1): 96 (1987)—Australia (W. Australia).  
harvestiana (*F. Muell.*) *L.A. Craven in Brunonia*, 10(1): 59 (1987): *Lhotskya harvestiana*.  
islensis *L.A. Craven in Brunonia*, 10(1): 80 (1987)—Australia (Queensland).  
merrelliana (*F. Muell. & Tate*) *L.A. Craven in Brunonia*, 10(1): 118 (1987): *Lhotskya violacea* var. *merrelliana*.  
microcoma *L.A. Craven in Brunonia*, 10(1): 70 (1987)—Australia (Queensland).  
nematochlada *L.A. Craven in Brunonia*, 10(1): 121 (1987), nom. nov.: *Lhotskya ciliata* *F. Muell. ex Benth.*  
parviallis *L.A. Craven in Brunonia*, 10(1): 120 (1987)—Australia (W. Australia).  
paucicostata *L.A. Craven in Brunonia*, 10(1): 106 (1987)—Australia (W. Australia).  
platycheiridia *L.A. Craven in Brunonia*, 10(1): 62 (1987)—Australia (W. Australia).  
praecipua *L.A. Craven in Brunonia*, 10(1): 50 (1987)—Australia (W. Australia).  
purpurea (*F. Muell.*) *L.A. Craven in Brunonia*, 10(1): 58 (1987): *Lhotskya purpurea*.  
rupestris *L.A. Craven in Brunonia*, 10(1): 46 (1987)—Australia (N. Terr.).  
similis *L.A. Craven in Brunonia*, 10(1): 84 (1987)—Australia (W. Australia).  
simplex  
subsp. suboppositifolia *L.A. Craven in Brunonia*, 10(1): 100 (1987)—Australia (W. Australia).  
smeatoniana (*F. Muell.*) *L.A. Craven in Brunonia*, 10(1): 27 (1987): *Lhotskya smeatoniana*.  
sylvania *L.A. Craven in Brunonia*, 10(1): 117 (1987), nom. nov.: *Lhotskya brevifolia* *Schauer*.  
truncatifolia *L.A. Craven in Brunonia*, 10(1): 103 (1987)—Australia (W. Australia).  
verruculosa *L.A. Craven in Brunonia*, 10(1): 51 (1987)—Australia (W. Australia).  
violacea (*Lindley*) *L.A. Craven in Brunonia*, 10(1): 119 (1987): *Lhotskya violacea*.  
warburtonensis *L.A. Craven in Brunonia*, 10(1): 34 (1987)—Australia (W. Australia).

**CAMBESEDESIDIA** (Melastomatac.).

glaziovii *Cogn. ex A.B. Martins in Rev. Brasil. Bot.*, 8(2): 177 (1985 publ. 1986)—Brazil.  
hermogenesii *A.B. Martins in Rev. Brasil. Bot.*, 8(2): 178 (1985 publ. 1986)—Brazil.  
membranacea  
subsp. bahiana *A.B. Martins in Rev. Brasil. Bot.*, 8(2): 180 (1985 publ. 1986)—Brazil.

**CAMELLIA** (Theac.).

albosericea *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 51 (1989), as 'albo-sericea'—China.  
apolyodontia *H.T. Chang & Q.M. Chen in Acta Sci. Nat. Univ. Sunyatseni*, 1987(3): 84 (1987)—China.  
arborescens *Chang, F.L. Yu & P.S. Wang in Tea Sci. Res. J. (China)*, 1983: 18 (1983); et *H.T. Chang & F.L. Yu in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 86 (1990)—China.  
assamica  
var. kucha *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 19 (1983)—China.  
atrothea *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 8 (1983)—China.  
azalea *C.F. Wei in Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 141 (1986)—China.  
brevigyna *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 51 (1989)—China.  
brevipetiolata *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 52 (1989)—China.  
brevistyla  
f. rubida *P.L. Chiu in J. Nanjing Forest. Univ.*, 1987(2): 22 (1987)—China.  
changii *C.X. Ye in Acta Sci. Nat. Univ. Sunyatseni*, 1987(1): 17 (1987)—China.  
changningensis *F.C. Zhang, W.R. Ding & Y. Huang in Acta Bot. Yunnanica*, 12(1): 32 (1990)—China.

**CAMELLIA** :-

chekiang-oleosa  
f. tanglii *P.L. Chiu in J. Nanjing Forest. Univ.*, 1987(2): 24 (1987)—China.  
chrysantha  
f. longistyla *S.L. Mo & Y.C. Zhong in Guihaia*, 5(4): 355 (1985)—China.  
chunii *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 52 (1989)—China.  
connatistyla *S.L. Mo & Y.C. Zhong in Guihaia*, 7(4): 287 (1987)—China.  
danzaiensis *Chang & K.M. Lan in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 59 (1989)—China.  
dehungensis *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 12 (1983)—China.  
dishiensis *F.C. Zhang, X.Y. Chen & G.B. Chen in Acta Bot. Yunnanica*, 12(1): 31 (1990)—China.  
euphlebia  
var. yunnanensis *C.J. Wang & G.S. Fan in Acta Bot. Yunnanica*, 10(3): 365 (1988)—China.  
flavida  
f. polypetala *R.G. Li & S.Q. He in Guihaia*, 9(3): 200 (1989)—China.  
grandibracteata *Chang, Y.J. Tan, F.L. Yu & P.S. Wang in Tea Sci. Res. J. (China)*, 1983: 1 (1983)—China.  
gymnogynoides *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 13 (1983); et *H.T. Chang & B.H. Chen in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 86 (1990)—China.  
haaniensis *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 5 (1983)—China.  
hekouensis *C.J. Wang & G.S. Fan in Acta Bot. Yunnanica*, 10(3): 365 (1988)—China.  
huiliensis *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 53 (1989)—China.  
hunanica *H.T. Chang & L.L. Qi in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 88 (1990)—China.  
jinshajiangica *H.T. Chang & S.L. Lee in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 50 (1989)—China.  
jinyunshanica *H.T. Chang & J.H. Xiong in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 85 (1990)—China.  
jiuyishanica *H.T. Chang & L.L. Qi in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 91 (1990)—China.  
kwangnanica *Chang, H.S. Wang & B.H. Chen in Tea Sci. Res. J. (China)*, 1983: 2 (1983)—China.  
lanceispala *L.K. Ling in Fl. Fujianica*, 3: 525 (1987 publ. 1988)—China.  
lanosituba *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 51 (1989)—China.  
liberistamina *H.T. Chang & J.S. Kiu in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 88 (1990)—China.  
limonia  
f. obovata *S.L. Mo & Y.C. Zhong in Guihaia*, 5(4): 355 (1985)—China.  
lipoensis *H.T. Chang & Z.R. Xu in Acta Sci. Nat. Univ. Sunyatseni*, 1986(2): 98 (1986), without type—China.  
longgangensis  
var. patens *S.L. Mo & Y.C. Zhong in Guihaia*, 5(4): 354 (1985)—China.  
longigyna *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 89 (1990)—China.  
longituba *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 87 (1990)—China.  
longlingensis *F.C. Zhang, G.B. Chen & M.D. Tang in Acta Bot. Yunnanica*, 12(1): 33 (1990)—China.  
magniflora *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 88 (1990)—China.  
makuanica *Chang, Y.J. Tan & P.S. Wang in Tea Sci. Res. J. (China)*, 1983: 4 (1983)—China.  
manglaensis *Chang, Y.J. Tan & P.S. Wang in Tea Sci. Res. J. (China)*, 1983: 9 (1983)—China.  
micrantha *S.Y. Liang & Y.C. Zhong in Acta Sci. Nat. Univ. Sunyatseni*, 1988(4): 110 (1988)—China.  
microcarpa (*S.L. Mo & S.Z. Huang*) *S.L. Mo in Guihaia*, 6(1-2): 62 (1986): *C. chrysantha* var. *microcarpa*.  
microdonta *H.T. Chang & C.S. Ye in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 89 (1990)—China.  
minor *H.T. Chang in Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 53 (1989)—China.  
mongshanica *H.T. Chang & C.S. Ye in Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 90 (1990)—China.  
multibracteata *Chang & Z.Q. Mo in Guihaia*, 9(4): 323 (1989)—China.  
multiplex *Chang, Y.J. Tan & P.S. Wang in Tea Sci. Res. J. (China)*, 1983: 7 (1983)—China.

**CAMELLIA**:-

- multisepala Chang, Y.J. Tan & P.S. Wang in *Tea Sci. Res. J. (China)*, 1983: 14 (1983)—China.  
 nanchuanica H.T. Chang & J.H. Xiong in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 85 (1990)—China.  
 odorata L.S. Xie & Z.Y. Zhang in *Acta Bot. Yunnanica*, 9(1): 57 (1987)—China.  
 oligophlebia H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 54 (1989)—China.  
 parvipetala J.Y. Liang & Z.M. Su in *Guihaia*, 5(4): 357 (1985)—China.  
 parvisepaloides Chang, H.S. Wang & B.H. Chen in *Tea Sci. Res. J. (China)*, 1983: 11 (1983)—China.  
 pentapetala H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 54 (1989)—China.  
 pentaphylacoides H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 55 (1989)—China.  
 pentaphyllax H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 55 (1989)—China.  
 polyneura Chang, Y.J. Tan & P.S. Wang in *Tea Sci. Res. J. (China)*, 1983: 15 (1983)—China.  
 pubescens Chang & C.X. Ye in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(1): 18 (1987)—China.  
 purpurea Chang, H.S. Wang & B.H. Chen in *Tea Sci. Res. J. (China)*, 1983: 16 (1983)—China.  
 pyxidiacea Z.R. Xu, F.P. Chen & C.Y. Deng in *Guihaia*, 7(1): 19 (1987)—China.  
 quinquebracteata Chang & C.X. Ye in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(1): 20 (1987)—China.  
 quinqueloculosa S.L. Mo & Y.C. Zhong in *Guihaia*, 5(4): 353 (1985)—China.  
 remotiserrata Chang, F.L. Yu & P.S. Wang in *Tea Sci. Res. J. (China)*, 1983: 3 (1983); et H.T. Chang, H.S. Wang & P.S. Wang in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 87 (1990)—China.  
 rhytidophylla Y.K. Li & M.Z. Yang in *Guihaia*, 7(1): 13 (1987)—China.  
 rotundata Chang, Y.J. Tan & P.S. Wang in *Tea Sci. Res. J. (China)*, 1983: 6 (1983)—China.  
 rubimuricata Chang & Z.R. Xu in *Guihaia*, 5(4): 347 (1985)—China.  
 sasanqua C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 632 (1784)—Japan.†  
 septempetala H.T. Chang & L.L. Qi in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 91 (1990)—China.  
 septempetala  
 var. rubra H.T. Chang & L.L. Qi in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 91 (1990)—China.  
 siangensis T.K. Paul & M.P. Nayar in *Bull. Bot. Surv. India*, 27(1-4): 92 (1985 publ. 1987)—India.  
 sinensis  
 subsp. buisanensis (Sasaki) S.Y. Lu & Y.P. Yang in *Quart. J. Chinese Forest.*, 20(1): 106 (1987): C. buisanensis.  
 stichoclada H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 56 (1989)—China.  
 subliberpetala H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 56 (1989)—China.  
 tenuivalvis H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 57 (1989)—China.  
 trichoclada  
 f. leucantha P.L. Chiu in *J. Nanjing Forest. Univ.*, 1987(2): 26 (1987)—China.  
 truncata H.T. Chang & C.S. Ye in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 90 (1990)—China.  
 xichangensis H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 28(3): 57 (1989)—China.  
 yunkiangica Chang, H.S. Wang & B.H. Chen in *Tea Sci. Res. J. (China)*, 1983: 17 (1983)—China.

**CAMISSONIA** (Onagrac.).

- atwoodii A. Cronquist in *Great Basin Nat.*, 46(2): 258 (1986)—U.S.A. (Utah).  
 boothii  
 var. condensata (Munz) A. Cronquist in *Great Basin Nat.*, 46(2): 258 (1986): Oenothera decorticans var. condensata.  
 var. villosa (Wats.) A. Cronquist in *Great Basin Nat.*, 46(2): 258 (1986): Oenothera alyssoides var. villosa.  
 clavaeformis  
 var. purpurascens (Wats.) A. Cronquist in *Great Basin Nat.*, 46(2): 258 (1986): Oenothera scapoidea var. purpurascens.  
 scapoidea  
 var. utahensis (Raven) S.L. Welsh in *Great Basin Nat.*, 46(2): 258 (1986): Oenothera scapoidea subsp. utahensis.

**CAMPANULA** (Campanulac.).

- bluemelii J.J. Halda in *Preslia*, 61(4): 321 (1989)—Turkey.  
 cantabrica  
 subsp. occidentalis M. Lainz, *Mis contrib. conocim. fl. Asturias*: 65 (1982)—Spain.  
 chalcidica (Buser) D. Phitos & G. Kamari in *Willdenowia*, 17(1-2): 103 (1988): Diosphaera chalcidica.  
 glauca C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 211 (1784)—Japan.†  
 hissarica R. Kam. ex M.R. Rasulova in *Fl. Tadzhikskoi SSR*, 9: 526, 157 (1988)—U.S.S.R. (Middle Asia).  
 hypocrateriformis A. Dobignard in *Saussurea*, 19: 112 (1988 publ. 1989), nom. nov.: C. dichotoma f. pseudodichotoma Maire ex Quézel.  
 jordanovii M. Ančev & M. Kovanda in *Preslia*, 61(3): 196 (1989)—Bulgaria.  
 kastellorizana A. Carlström in *Willdenowia*, 15(2): 384 (1986)—Greece.  
 lehmanniana A. Bunge, *Beitr. Fl. Russl.*: 211 (1852)—U.S.S.R. (Middle Asia).†  
 subsp. integerrima R. Kam. ex M.R. Rasulova in *Fl. Tadzhikskoi SSR*, 9: 526, 156 (1988)—U.S.S.R. (Middle Asia).  
 subsp. pseudohissarica R. Kam. ex M.R. Rasulova in *Fl. Tadzhikskoi SSR*, 9: 525, 156 (1988)—U.S.S.R. (Middle Asia).  
 lycica Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 155(1-4): 96 (1987)—Turkey.  
 marginata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 211 (1784)—Japan.†  
 praealta A.I. Galushko, *Fl. Severn. Kavkaza*, 3: 147 (1980), nom. nov.: C. elatior (Fomin.) Grossh. ex Fed.  
 punctata  
 f. albiflora T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989)—Japan.  
 f. impunctata N. Yonezawa in *J. Phytogeogr. Taxon.*, 35(1): 41 (1987)—Japan.  
 rapunculoides  
 subsp. verruculosa (Hoffgg. & Lk.) A.R. Pinto da Silva in *Bol. Soc. Brot.*, 60: 155 (1987): C. verruculosa.  
 simulans A. Carlström in *Willdenowia*, 15(2): 381 (1986)—Turkey, East Aegean Is., Greece.  
 sivasica Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 447 (1988 publ. 1989)—Turkey.  
 tetraphylla C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 211 (1784)—Japan.†  
 triphylla C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 211 (1784)—Japan.†  
 trojanensis M. Kovanda & M. Ančev in *Preslia*, 61(3): 201 (1989)—Bulgaria.  
 urbionensis S. Rivas-Martinez & G. Navarro in *Opusc. Bot. Pharm. Complutensis*, 5: 65 (1989)—Spain.  
 velutina  
 var. malacitana (Degen & Hervier) G. López ex M. Lainz & J. Fernández Casas in *Fontqueria*, 21: 50 (1988): C. malacitana var. malacitana.  
 veneris A. Carlström in *Willdenowia*, 15(2): 384 (1986)—Cyprus.  
 yildirimlii Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 124 (1986)—Turkey.

**CAMPOMANESIA** (Myrtac.).

- acrandroides J.R. Mattos in *Loefgrenia*, 90: 4 (1986), nom. nov.: Acrandra sellowiana Berg.  
 cerasoides (Camb.) J.R. Mattos in *Loefgrenia*, 90: 4 (1986): Psidium cerasoides.  
 espiritosantensis L.R. Landrum in *Brittonia*, 39(2): 245 (1987)—Brazil.  
 phaea (Berg) J.R. Mattos in *Loefgrenia*, 90: 4 (1986): Abbevillea phaea.  
 schultzeana J.R. Mattos in *Loefgrenia*, 90: 4 (1986), nom. nov.: Abbevillea gardneriana Berg.  
 sellowiana (Berg) J.R. Mattos in *Loefgrenia*, 90: 4 (1986): Abbevillea sellowiana.  
 sparsiflora (DC.) J.R. Mattos in *Loefgrenia*, 90: 4 (1986): Eugenia sparsiflora.

**CAMPSIDIUM** (Bignoniac.).

- valdivianum (Phil.) Bull. *Retail List*, 59: 4 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985): Basionym not stated.

**CAMPTACRA** (Compos.).

- gracilis (Benth.) N.S. Lander in *Nuytsia*, 6(1): 61 (1987): Eurybia gracilis.  
 f. arachnoidea (N. Burb.) N.S. Lander in *Nuytsia*, 6(1): 61 (1987): C. brachycomoides f. arachnoidea.  
 f. lanata (N. Burb.) N.S. Lander in *Nuytsia*, 6(1): 61 (1987): C. brachycomoides f. lanata.

**CAMPULOCLINIUM** (Compos.).

- viridiflorum Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1843: 2 (1843); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**CAMPYLANTHUS** (Scrophulariac.).

- mirandae A.G. Miller in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 75 (1988)—Oman.  
 somaliensis A.G. Miller in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 73 (1988)—Somali Republic.

**CAMPYLOCENTRUM** (Orchidac.).

- hirtzii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 409 (1989)—Ecuador.  
 madisonii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 410 (1989)—Ecuador.

**CAMPYLOTROPIS** (Legumin.).

- macrocarpa  
 var. giraldii (Schindl.) K.T. Fu ex P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 42 (1987): Lespedeza giraldii.  
 f. giraldii (Schindl.) P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 42 (1987): Lespedeza giraldii.  
 subsp. hengduanshanensis C.J. Chen in *Acta Bot. Yunnanica*, 10(4): 435 (1988)—China, Xizang.  
 f. hupehensis (Pamp.) P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 43 (1987): C. macrocarpa var. hupehensis.  
 f. lanceolata P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 41 (1987)—China.  
 f. longepedunculata (Rick.) P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 43 (1987): C. longepedunculata.  
 f. microphylla K.T. Fu ex P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 43 (1987)—China.  
 pauciflora C.J. Chen in *Acta Bot. Yunnanica*, 10(4): 433 (1988)—China.  
 polyantha  
 f. macrophylla P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 46 (1987)—China.  
 f. souliei (Schindl.) P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 46 (1987): C. souliei.  
 var. tomentosa P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 46 (1987)—China.  
 tenuiramea P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 37 (1987)—China.  
 teretiracemosa P.C. Li & C.J. Chen in *Acta Bot. Yunnanica*, 10(4): 434 (1988)—China.  
 tomentosipetiolata P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 47 (1987)—China.  
 wenshaica P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 35 (1987)—China.  
 yajiangensis P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 32 (1987)—China.  
 var. deronica P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 34 (1987)—China, Xizang.  
 yunnanensis  
 var. filipes (Rick.) P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 52 (1987): C. filipes.  
 var. zhongdenensis P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(4): 52 (1987)—China.

**CAMPYNEMANTHE** (Melanthiac.).

- neocaledonica (Rendle) P. Goldblatt in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(2): 122 (1986): Campynema neocaledonicum.  
 parva P. Goldblatt in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(2): 127 (1986)—New Caledonia.

**CANARIUM** (Burserac.).

- australianum  
 var. velutinum H.J. Hewson in *Fl. Australia*, 25: 202, 169 (1985)—Australia (W. Australia, N. Terr., Queensland).

**CANAVALLIA** (Legumin.).

- mauiensis *H. St. John* in *Phytologia*, 64(3): 178 (1988)—Hawaiian Is.  
taiwaniana *S.S. Ying*, *Coloured Illustr. Fl. Taiwan*, 2: 518 (1987)—Taiwan.

**CANISTRUM** (Bromeliac.).

- camacaensis *G. Martinelli & E.M.C. Leme* in *Bradea*, 4(33): 256 (1986)—Brazil.  
fragrans (*Linden*) *D.J. Mabberley* in *Feddes Repert.*, 101(5-6): 271 (1990): *Guzmania fragrans*.  
seidelianum *W. Weber* in *Feddes Repert.*, 97(3-4): 117 (1986)—Brazil.

**CANNA** (Cannac.).

- variegata *Besser*, *Cat. Hort. Bot. Krz.*: 25 (1810); cf. *D.J. Mabberley* in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**CANNABIS** (Cannabac.).

- kafiristanica (*Vav.*) *J. Chrtek* in *Čas. Nár. Muz. (Prague)*, 150(1-2): 22 (1981): *C. indica* var. *kafiristanica*.  
sativa  
var. *ruderalis* (*Janisch.*) *S.Z. Liou* in *Fl. Liaoningica*, chief ed. *S.X. Li*, 1: 289 (1988): *C. ruderalis*.

**CANNOMOIS** (Restionac.).

- taylorii *H.P. Linder* in *S. Afr. J. Bot.*, 56(4): 453 (1990)—South Africa (Cape Province).

**CANSCORA** (Gentianac.).

- diffusa  
var. *tetraptera* *V.N. Naik & D.S. Pokle* in *J. Econ. Taxon. Bot.*, 7(3): 673 (1985 publ. 1986)—India.  
rubiflora *X.X. Chen* in *Guhua*, 6(3): 177 (1986)—China.

**CANTHIUM** (Rubiace.).

- subgen. *Bullockia* *D.M. Bridson* in *Kew Bull.*, 42(3): 630 (1987).  
cordatum *L.W. Dillwyn*, *Rev. Hortus Malab.*: 32 (1839); fide *D.J. Mabberley* in *Taxon*, 26(5-6): 531 (1977)—India.  
dicoccum  
var. *lanceolatum* (*Arn.*) *M.S. Swaminathan* in *A.N. Henry, G.R. Kumari & V. Chithra*, *Fl. Tamil Nadu, India, Ser. 1*, 2: 2 (1987): *C. lanceolatum*.  
fadenii *D.M. Bridson* in *Kew Bull.*, 42(3): 632 (1987)—Kenya.  
impressinervium *D.M. Bridson* in *Kew Bull.*, 42(3): 633 (1987)—Tanzania.  
pseudosetiflorum *D.M. Bridson* in *Kew Bull.*, 42(3): 635 (1987)—Kenya, Ethiopia, Uganda, Tanzania.  
setiflorum  
subsp. *telidosma* (*K. Schum.*) *D.M. Bridson* in *Kew Bull.*, 42(3): 634 (1987): *Plectronia telidosma*.  
vanwykii *P.M. Tilney & P.D.F. Kok* in *S. Afr. J. Bot.*, 53(1): 98 (1987)—South Africa (Natal, Cape Province).  
whitei (*Bridson*) *F. White* in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 109 (1990): *Psydrax whitei*.

**CAPPARIS** (Capparac.).

- gibbosa *A. Cunningham* in *Hook. J. Bot.*, 4: 261 (1841)—Australia.  
grandipetala *B. Maguire & J.A. Steyermark* in *Mem. New York Bot. Gard.*, 51: 115 (1989)—Brazil.  
iltisiana *T. Ruiz Z.* in *Ernstia*, 36: 1 (1986)—Venezuela.  
ovata  
subsp. *sicula* (*Veillard*) *F.I. Pugnaire de Iraola* in *Blancoana*, 7: 121 (1989), as '(Duham)': *C. sicula*.  
srilankensis *R. Sundara Raghavan* in *Bull. Bot. Surv. India*, 28(1-4): 185 (1986 publ. 1988)—Sri Lanka.

**CAPRARIA** (Scrophulariac.).

- biflora  
subsp. *havanensis* *N.N. Tsvelev* in *Bot. Zhurn.*, 72(12): 1663 (1987)—Cuba.

**CARAGANA** (Legumin.).

- ser. *Leucophloeae* *N.V. Gorbunova*, *Rod. Karagana i Kalofaka Sem. Bobov. Kirgiz.*: 142 (1987).

**CARAGANA** :-

- acanthophylla  
subsp. *macrocalyx* *G.P. Yakovlev* in *Rast. Tsentral. Azii*, 8a: 28 (1988)—Xinjiang.  
alexeenkoi *R.V. Kamelin* in *Dokl. Akad. Nauk Tadzh. SSR*, 32(11): 779 (1989 publ. 1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Middle Asia).  
beefensis *S. Biswas* in *Indian J. Forest.*, 9(1): 70 (1986)—India.  
var. *auriculata* *S. Biswas* in *Indian J. Forest.*, 9(1): 71 (1986)—India.  
boisii  
var. *platycarpa* *G.P. Yakovlev* in *Novosti Sist. Vyssh. Rast.*, 24: 130 (1987)—China.  
brevispina  
var. *gamblei* *S. Biswas* in *Indian J. Forest.*, 9(1): 72 (1986)—India.  
bungei  
var. *riparia* *N.A. Bondareva* in *Byull. Glavn. Bot. Sada (Moscow)*, 155: 37 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia).  
davazamcii  
var. *viridis* *Y.X. Liou* in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 445 (1987)—China.  
gobica  
subsp. *occidentalis* *R. Kam. & G.P. Yakovlev* in *Rast. Tsentral. Azii*, 8a: 33 (1988)—Mongolia.  
hopeiensis *G.P. Yakovlev* in *Novosti Sist. Vyssh. Rast.*, 24: 126 (1987)—China.  
korshinskii  
f. *brachypoda* *Y.X. Liou* in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 445 (1987)—China.  
opulens  
var. *licentiana* (*Hand.-Mazz.*) *G.P. Yakovlev* in *Rast. Tsentral. Azii*, 8a: 38 (1988): *C. licentiana*.  
var. *perforata* *Merrgen & Y.Q. Ma* in *Acta Sci. Nat. Univ. Intramongolicae*, 20(4): 554 (1989)—China.  
var. *trichophylla* *Z.H. Gao & S.C. Zhang* in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 63 (1989)—China.  
pygmaea  
subsp. *austrotuvunica* *N.A. Bondareva* in *Bot. Zhurn.*, 74(6): 900 (1989)—U.S.S.R. (Siberia).  
rosea  
var. *leveillei* (*Kom.*) *G.P. Yakovlev* in *Rast. Tsentral. Azii*, 8a: 41 (1988): *C. leveillei*.  
spinosa (*L.*) *Vahl ex Hornem.*, *Hort. Hafn.*: 694 (1815); cf. *D.J. Mabberley* in *Taxon*, 33(3): 436 (1984): *Basionym* not stated.  
tekesiensis *Y.Z. Zhao & D.W. Zhou* in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 83 (1990)—Xinjiang.  
zahlbruckneri  
subsp. *litwinowii* (*Kom.*) *G.P. Yakovlev* in *Bot. Zhurn.*, 71(4): 482 (1986): *C. litwinowii*.  
var. *pekinensis* (*Kom.*) *G.P. Yakovlev* in *Bot. Zhurn.*, 71(4): 482 (1986): *C. pekinensis*.  
var. *pilosa* *G.P. Yakovlev* in *Bot. Zhurn.*, 71(4): 482 (1986)—China.

**CARAIPA** (Guttif.).

- aracaensis *K. Kubitzki* in *Acta Amazonica*, 16-17: 158 (1986-87 publ. 1987)—Brazil.  
longispala *K. Kubitzki* in *Acta Amazonica*, 16-17: 160 (1986-87 publ. 1987)—Brazil.  
multinervia *K. Kubitzki* in *Acta Amazonica*, 16-17: 157 (1986-87 publ. 1987)—Brazil.

**CARALLIA** (Rhizophorac.).

- eugenioides  
var. *sumatrensis* *M. Ito & M. Hotta* in *M. Hotta (ed.), Divers. & Dynam. Pl. Life Sumatra*, 1: 73 (1986), without latin descr. or type; et in *Acta Phytotax. Geobot.*, 37(4-6): 147 (1986)—Sumatra.

**CARALLUMA** (Asclepiadac.).

- subgen. *Boucerosia* (*Wight & Arn.*) *M.G. Gilbert* in *Bradleya*, 8: 15 (1990): gen. *Boucerosia*.  
subgen. *Desmidorchis* (*Ehrenb.*) *M.G. Gilbert* in *Bradleya*, 8: 19 (1990): gen. *Desmidorchis*.  
subgen. *Urmalcala* *M.G. Gilbert* in *Bradleya*, 8: 15 (1990).  
ascendens  
var. *carinata* *J.S. Sarkaria* in *J. Nation. Cact. Succ. Soc. India*, 4(1): 4 (1984); cf. *Asklepios*, 33: 41 (1985), without type—India.

**CARALLUMA** :-

- edwardsiae (*M. Gilbert*) *M.G. Gilbert* in *Bradleya*, 8: 13 (1990): *C. gracilipes* subsp. *edwardsiae*.  
longiflora *M.G. Gilbert* in *Bradleya*, 8: 13 (1990)—Somali Republic, Kenya.

**CARAPA** (Meliac.).

- megistocarpa *A.H. Gentry & Dodson* in *Ann. Missouri Bot. Gard.*, 75(4): 1434 (1988 publ. 1989)—Ecuador.

**CARDAMINE** (Crucif.).

- subsect. *Bellidifoliae* (*Spassk.*) *K.S. Khatri* in *Feddes Repert.*, 101(9-10): 441 (1990): *C. ser. Bellidifoliae*.  
subsect. *Macrophyllae* *K.S. Khatri* in *Folia Geobot. Phytotax.*, 25(2): 207 (1990).  
subsect. *Microphyllae* *K.S. Khatri* in *Feddes Repert.*, 101(9-10): 442 (1990).  
subsect. *Prorepentae* *K.S. Khatri* in *Folia Geobot. Phytotax.*, 25(2): 209 (1990).  
anhuiensis *D.C. Zhang & C.Z. Shao* in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 127 (1986)—China.  
basisagittata *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 10 (1987)—China.  
bijiangensis *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 12 (1987)—China.  
caroides *C.Y. Wu* in *Acta Bot. Yunnanica*, 9(1): 16 (1987)—China.  
dentata  
var. *palustris* (*Wimm. & Grab.*) *K.S. Khatri* in *Feddes Repert.*, 97(5-6): 281 (1986): *C. pratensis* var. *palustris*.  
digitata  
var. *sphenophylla* (*Jurtz.*) *K.S. Khatri* in *Feddes Repert.*, 101(9-10): 443 (1990): *C. sphenophylla*.  
dissecta (*Leavenw.*) *I.A. Al-Shehbaz* in *J. Arnold Arbor.*, 69(1): 82 (1988): *Dentaria dissecta*.  
flexuosoides *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 12 (1987)—China.  
var. *glabricalis* *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 13 (1987)—China.  
griffithii  
var. *pentaloba* *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 16 (1987)—China.  
heishuiensis *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 15 (1987)—China.  
hydrocotyloides *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 8 (1987)—China.  
impatiens  
var. *longipes* *S. Hatusima* in *J. Phytogeogr. Taxon.*, 35(2): 64 (1987)—Japan.  
levicaulis *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 9 (1987)—China.  
longistyla *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 14 (1987)—Xizang.  
majovskii *K. Marhold & J. Záborský* in *Preslia*, 58(3): 194 (1986)—Czechoslovakia.  
microphylla  
var. *blaisdellii* (*Eastw.*) *K.S. Khatri* in *Feddes Repert.*, 101(9-10): 444 (1990): *C. blaisdellii*.  
monteluccii *A.J.B. Brilli-Cattarini & L. Gubellini* in *Webbia*, 39(2): 398 (1986)—Italy, Sicily.  
muliensis *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 11 (1987)—China.  
nepalensis *N. Kurosaki & H. Ohba* in *J. Jap. Bot.*, 64(5): 135 (1989)—Nepal.  
pratensis  
subsp. *major* *P. Tomšovic* in *Folia Geobot. Phytotax.*, 21(4): 429 (1986)—Czechoslovakia.  
raphanifolia  
subsp. *barbareoides* (*Halácsy*) *A. Strid* in *A. Strid (ed.), Mount. Fl. Greece*, 1: 257 (1986): *C. barbareoides*.  
×smejkalii *P. Tomšovic* in *Folia Geobot. Phytotax.*, 21(4): 430 (1986)—Czechoslovakia. (*C. matthioli* × *pratensis* subsp. *pratensis*).  
truncatolobata *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 14 (1987)—China.  
weixiensis *W.T. Wang* in *Acta Bot. Yunnanica*, 9(1): 9 (1987)—China.

**CARDIANDRA** (Hydrangeac.).

- sinensis  
var. *moellendorffii* (*Hance*) *S.S. Ying*, *Colour. Illustr. Pl. Taiwan, Pt. 4; Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 82 (1980): *Hydrangea moellendorffii*.

**CARDIOCRINUM** (Endl.) Lindl. Veg. Kingdom, ed. 1: 205 (1846): Liliaceae (Liliaceae).†

**CARDIOSPERMUM** (Sapindac.).  
oliveirae M.S. Ferrucci in Bol. Soc. Argent. Bot., 24(1-2): 116 (1985)—Brazil.

**CARDUNCCELLUS** (Compos.).  
monspeliensis  
subsp. araneosus (Boiss. & Reut.) O. de Bolòs & J. Vigo in Folia Bot. Misc., 6: 85 (1989): C. araneosus.

**CARDUUS** (Compos.).  
×arvaticus Font Quer & Rothmaler, Sched. Fl. Iber. Select., Cent. II-III, n. 284 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in Fontqueria, 7: 12 (1985)—Spain. (C. medius × phyllolepis).  
atriplicifolius Fisch. ex Hornem., Hort. Hafn., Suppl.: 92 (1819); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984)—Locality not stated.

bourgaeanus  
var. devesae O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988), nom. nov.: C. bourgaeanus subsp. ibicensis Devesa & Talavera.

cinerescens Huber, Cat. Gén. 1870 & 1871: 3 (1870); cf. D.J. Mabberley in Taxon, 34(3): 453 (1985)—Locality not stated.

defloratus  
subsp. argemone (Pursh. ex Lam.) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): C. argemone.

linearis C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 726 (1784)—Japan.†

nigrescens  
var. assoi (Willk.) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): C. nigrescens subsp. assoi.

subsp. hispanicus (A. Franco) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): C. chrysacanthus subsp. hispanicus.

nutans  
subsp. granatensis (Willk.) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): C. granatensis.

picris (Willd.) Sweet, Hort. Brit., ed. 2: 281 (1830); cf. D.J. Mabberley in Taxon, 31(1): 69 (1982): Basionym not stated.

pulchellus Greene ex P.A. Rydberg, Fl. Colorado: 400, 401 (1906)—U.S.A. (Colorado).

stoechadifolius (Bieb.) Sweet, Hort. Brit., ed. 2: 281 (1830); cf. D.J. Mabberley in Taxon, 31(1): 69 (1982): Basionym not stated.

subcarlinoides  
subsp. gracilis (Rouy ex Willkomm) J. Fernández Casas in Fontqueria, 1: 10 (1982): C. granatensis var. gracilis.

**CAREX** (Cyperac.).  
sect. Abditipiceae G.A. Wheeler in Syst. Bot., 12(4): 575 (1987).

sect. Aciculares (Kük.) G.A. Wheeler in Syst. Bot., 14(2): 174 (1989): C. subsect. Aciculares.

subsect. Aquaticae T.V. Egorova in Bot. Zhurn., 75(6): 864 (1990), nom. nov.: C. subsect. Aquaticae (Meinsh.) Egor.

subsect. Aquaticae (Meinsh.) T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 43 (1987): C. sect. Aquaticae.

subsect. Atropictae G.A. Wheeler in Syst. Bot., 15(4): 649 (1990).

sect. Cardiopera V. Krecz. ex T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 43 (1987).

sect. Caryotheca V. Krecz. ex T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 42 (1987).

subsect. Chalcandrae (V. Krecz. ex Egor.) T.V. Egorova in Bot. Zhurn., 75(6): 863 (1990): C. ser. Chalcandrae.

sect. Cyclostylatae S.W. Su in Acta Phytotax. Sin., 27(6): 463 (1989).

subsect. Dioicae (Egor.) T.V. Egorova in Bot. Zhurn., 75(6): 868 (1990): C. ser. Dioicae.

sect. Echinochlorophae Y.L. Chang ex S.Y. Liang in Acta Phytotax. Sin., 28(2): 153 (1990).

subsect. Elatae T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 43 (1987).

## CAREX :-

subsect. Elatiformes T.V. Egorova in Bot. Zhurn., 75(6): 865 (1990), nom. nov.: C. subsect. Elatae Egor.

subsect. Enerves (Egor.) T.V. Egorova in Bot. Zhurn., 75(6): 866 (1990): C. ser. Enerves.

subsect. Gynaecandrae T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 44 (1987).

subsect. Intumescens F.J. Menapace, D.E. Wujek & A.A. Reznicek in Canad. J. Bot., 64(11): 2787 (1986).

subsect. Monandrae V. Krecz. ex T.V. Egorova in Bot. Zhurn., 75(6): 860 (1990).

subsect. Orbiculares T.V. Egorova in Novosti Sist. Vyssh. Rast., 24: 44 (1987).

subsect. Pseudofetidae (Egor.) T.V. Egorova in Bot. Zhurn., 75(6): 866 (1990): C. ser. Pseudofetidae.

subsect. Redowskianae (Egor.) T.V. Egorova in Bot. Zhurn., 75(6): 868 (1990): C. ser. Redowskianae.

subsect. Reticulatae T.V. Egorova in Bot. Zhurn., 75(6): 865 (1990).

sect. Thomsonianae Y.L. Chang ex S.Y. Liang in Acta Phytotax. Sin., 28(2): 154 (1990).

acuta  
subsp. reuteriana (Boiss.) S. Rivas Martínez & J. Pizarro in Fontqueria, 24: 13 (1989): C. reuteriana.

×akitaensis R. Fujiwara in J. Phytogeogr. Taxon., 35(2): 81 (1987)—Japan. (C. middendorffii × sadoensis).

albicans  
var. australis (L. Bailey) J.H. Rettig in Sida, 14(1): 133 (1990): C. varia var. australis.

var. emmonsii (Dewey ex Torrey) J.H. Rettig in Sida, 14(1): 133 (1990): C. emmonsii.

anhuiensis S.W. Su & S.M. Xu in Bull. Bot. Res. North-East. Forest. Inst., 9(1): 47 (1989)—China.

aristulifera P.C. Li in Acta Bot. Yunnanica, 12(2): 141 (1990)—China.

asraoi D.M. Verma in J. Econ. Taxon. Bot., 7(3): 606 (1985 publ. 1986)—India.

asynchrona R.F.C. Naczi in Sida, 13(4): 487 (1989)—Mexico.

atherodes  
var. maxima (Kük.) A.E. Kozhevnikov in Sosud. Rast. Sovet. Dal'nego Vostoka, 3: 342 (1988): C. aristata var. maxima.

var. orthostachys (C.A. Mey.) A.E. Kozhevnikov in Sosud. Rast. Sovet. Dal'nego Vostoka, 3: 342 (1988): C. orthostachys.

var. vix-vaginans (Kük.) A.E. Kozhevnikov in Sosud. Rast. Sovet. Dal'nego Vostoka, 3: 342 (1988): C. aristata var. vix-vaginans.

augustinowiczii  
subsp. soyaensis (Kük.) T.V. Egorova in Bot. Zhurn., 75(6): 863 (1990): C. soyaensis.

austroramericana G.A. Wheeler in Brittonia, 38(4): 319 (1986)—Argentina, Chile, Tierra del Fuego.

austrorussiensis A.E. Kozhevnikov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 92(6): 135 (1987)—U.S.S.R. (Soviet Far East), ? China.

baimaensis S.W. Su in Bull. Bot. Res. North-East. Forest. Inst., 10(4): 6 (1990)—China.

baiposhanensis P.C. Li in Acta Bot. Yunnanica, 12(2): 145 (1990)—China.

balbii Schkuhr ex Balbis, Cat. Stirp. Hort. Acad. Taur.: 21 (1813); cf. D.J. Mabberley in Taxon, 31(1): 69 (1982)—Locality not stated.

bipartita  
subsp. baetica (Gay) M. Luceño & Muñoz Garmendia in An. Jard. Bot. Madrid, 44(2): 439 (1987): C. lagopina var. baetica.

bromoides  
subsp. montana R.F.C. Naczi in Contrib. Univ. Mich. Herb., 17: 220 (1990)—U.S.A. (South Carolina, North Carolina, Virginia).

brunnea C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 844 (1784)—Japan.†

brunnipes A.A. Reznicek in Syst. Bot., 11(1): 82 (1986)—Mexico, Guatemala.

caeligena A.A. Reznicek in Contrib. Univ. Mich. Herb., 17: 280 (1990)—Mexico.

calicicola T. Tang & F.T. Wang in Acta Phytotax. Sin., 24(3): 244 (1986)—China.

canaliculata P.C. Li in Acta Bot. Yunnanica, 12(2): 148 (1990)—China.

capillacea  
var. linzensis Y.C. Yang in Fl. Xizangica, 5: 442 (1987)—Xizang.

## CAREX :-

caricina (Don) N. Ghildyal & U.C. Bhattacharyya in J. Econ. Taxon. Bot., 7(3): 602 (1985 publ. 1986): Cyperus caricinus.

var. glauca (Boeck.) N. Ghildyal & U.C. Bhattacharyya in J. Econ. Taxon. Bot., 7(3): 602 (1985 publ. 1986): C. glauca.

var. leptocarpus (Clarke) N. Ghildyal & U.C. Bhattacharyya in J. Econ. Taxon. Bot., 7(3): 602 (1985 publ. 1986): C. leptocarpus.

var. minor N. Ghildyal & U.C. Bhattacharyya in J. Econ. Taxon. Bot., 7(3): 602 (1985 publ. 1986), nom. nov.: C. filicina var. minor Boott.

×cariei P. Aubin in Bull. Mens. Soc. Linn. Lyon, 56(1): 18 (1987)—France. (C. pallescens × panicea).

cenantha A.E. Kozhevnikov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 92(6): 129 (1987)—U.S.S.R. (Soviet Far East), ? China.

changmuensis Tang & Wang ex Y.C. Yang in Fl. Xizangica, 5: 410 (1987)—Xizang.

charkeviczii A.E. Kozhevnikov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 92(6): 135 (1987)—U.S.S.R. (Soviet Far East), ? China.

chiwuana Wang & Tang ex P.C. Li in Acta Bot. Yunnanica, 12(2): 143 (1990)—China.

chlorocephalula Wang & Tang ex P.C. Li in Acta Bot. Yunnanica, 12(2): 143 (1990)—China.

dayuonensis Z.P. Wang in Acta Bot. Yunnanica, 11(2): 166 (1989)—China.

densifimbriata T. Tang & F.T. Wang in Acta Phytotax. Sin., 24(3): 240 (1986)—China.

depressa  
subsp. basilaris (Jordan) M. Kerguelen in Lejeunia, 120: 62 (1987): C. basilaris.

duriuscula  
subsp. rigescens (Franch.) S.Y. Liang & Y.C. Tang in Acta Phytotax. Sin., 28(2): 155 (1990): C. stenophylla var. rigescens.

subsp. stenophylloides (V. Krecz.) S.Y. Liang & Y.C. Tang in Acta Phytotax. Sin., 28(2): 155 (1990): C. stenophylloides.

earistata Wang & Y.L. Chang ex S.Y. Liang in Acta Phytotax. Sin., 28(2): 153 (1990)—China.

echinata  
subsp. townsendii (Mackenzie) A.A. Reznicek in Contrib. Univ. Mich. Herb., 16: 207 (1987): C. townsendii.

echinochloaeformis Y.L. Chang ex Y.C. Yang in Fl. Xizangica, 5: 436 (1987)—Xizang.

edwardsiana E.L. Bridges & S.L. Orzell in Phytologia, 67(2): 148 (1989)—U.S.A. (Texas).

×elizabeth J. Andres, R. Carbo, F. Llamas & M. Perez in Stud. Bot. (Salamanca), 7: 243 (1988 publ. 1989), contrary to Art. H.5.2 ICBN (1988)—Spain. (C. disticha × muricata subsp. lamprocarpa).

×emmanuelis M. Luceño in An. Jard. Bot. Madrid, 44(2): 442 (1987)—Spain. (C. caryophylla × depressa).

emmonsii  
var. australis (L. Bailey) J.H. Rettig in Sida, 13(4): 452 (1989): C. varia var. australis.

var. muhlenbergii (A. Gray) J.H. Rettig in Sida, 13(4): 451 (1989): C. pensylvanica var. muhlenbergia.

enervis  
subsp. chuanxibeiensis S.Y. Liang & Y.C. Tang in Acta Phytotax. Sin., 28(2): 155 (1990)—China.

flacca  
subsp. erythrostachys (Hoppe) J. Holub in Folia Geobot. Phytotax., 23(4): 413 (1988): C. erythrostachys.

flava  
subsp. alpina (Kneucker) O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot., 17(1): 95 (1987 publ. 1988): C. flava var. alpina.

var. berrerae O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot., 17(1): 95 (1987 publ. 1988)—Spain.

subsp. demissa (Hornem.) O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot., 17(1): 95 (1987 publ. 1988): C. demissa.

flexirostris A.A. Reznicek in Syst. Bot., 11(1): 75 (1986)—Mexico.

foliobunda A.E. Kozhevnikov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 92(6): 130 (1987)—U.S.S.R. (Soviet Far East), ? China.

fructus A.A. Reznicek in Contrib. Univ. Mich. Herb., 17: 286 (1990)—Mexico.



**CAREX** :—

- gentilis  
var. *intermedia* Wang & Tang ex Y.C. Yang in *Fl. Xizangica*, 5: 408 (1987)—Xizang.
- glareosa  
subsp. *sorfolkensis* (Lévl. & Vant.) D.R. McKean in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 116 (1989); C. *sorfolkensis*.
- globistylota P.C. Li in *Acta Bot. Yunnanica*, 12(2): 144 (1990)—China.
- golgongshanensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 140 (1990)—China.
- gonggaensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 147 (1990)—China.
- gongshanensis Tang & Wang ex Y.C. Yang in *Fl. Xizangica*, 5: 404 (1987)—China, Xizang.
- harlandii  
var. *liuguensis* S.Y. Liang & D.Y. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 181 (1986)—China.
- hirticaulis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 149 (1990)—China.
- humahuacaensis G.A. Wheeler in *Syst. Bot.*, 14(1): 37 (1989)—Argentina.
- huolushanensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 145 (1990)—China.
- impressinervia C.T. Bryson, R. Kral & J.R. Manhart in *Rhodora*, 89(860): 357 (1987)—U.S.A. (Alabama, Mississippi, N. Carolina).
- incomitata K.R. Thiele in *Muelleria*, 6(3-4): 201 (1986)—Australia (Victoria, New South Wales).
- ixtapalucensis A.A. Reznicek in *Syst. Bot.*, 11(1): 84 (1986)—Mexico.
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 845 (1784)—Japan.†
- jiuhuaensis S.W. Su in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 5 (1990)—China.
- khooi T.V. Egorova & L.V. Aver'yanov in *Novosti Sist. Vyssh. Rast.*, 26: 13 (1989)—Vietnam.
- kingii (Boott) A.A. Reznicek in *Canad. J. Bot.*, 68(7): 1419 (1990): *Uncinia kingii*.
- korkischkoae A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 128 (1987)—U.S.S.R. (Soviet Far East), ? China.
- lachenalii  
subsp. *baetica* (Gay) M. Luceño & Muñoz Garmendia in *Fontqueria*, 11: 3 (1986): C. *lagopina* var. *baetica*.
- lainzii M. Luceño, E. Rico & T. Romero in *An. Jard. Bot. Madrid*, 44(2): 429 (1987)—Spain.
- lancibracteata A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 134 (1987)—U.S.S.R. (Soviet Far East), ? China.
- ligulata  
var. *glabriuictriculata* Q.S. Wang in *J. Wuhan Bot. Res.*, 5(4): 344 (1987)—China.
- longebracteata Hornem., *Hort. Hafn.*: 881 (1815); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- longii  
var. *meridionalis* (Kük.) G.A. Wheeler in *Aliso*, 11(4): 536 (1987): C. *albulatensis* var. *meridionalis*.
- lucorum  
var. *austrolucorum* J.H. Rettig in *Sida*, 13(4): 449 (1989)—U.S.A. (North Carolina).
- macloviana  
subsp. *subfusca* (W. Boott) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 118 (1989): C. *subfusca*.
- makuensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 139 (1990)—China.
- membranacea W.J. Hooker in G.F. Lyon, *Brief Narrative of Attempt to reach Repulse Bay*, 1824: 195 (1825)—Canada (N.W. Terr.).†
- minquienensis Z.P. Wang in *Acta Bot. Yunnanica*, 11(2): 169 (1989)—China.
- minuticulmis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 79 (1988)—China.
- monodynama (Griseb.) G.A. Wheeler in *Syst. Bot.*, 15(4): 656 (1990): C. *atropicta* var. *monodynama*.
- moorei G.A. Wheeler in *Syst. Bot.*, 13(2): 202 (1988)—Argentina, Chile.
- motuensis Y.C. Yang in *Fl. Xizangica*, 5: 443 (1987)—Xizang.
- nairii N. Ghildyal & U.C. Bhattacharyya in *J. Econ. Taxon. Bot.*, 8(2): 479 (1986)—India.

**CAREX** :—

- nandadeviensis N. Ghildyal, U.C. Bhattacharyya & P.K. Hajra in *Indian J. Forest.*, 9(1): 90 (1986)—India.
- nanelliformis A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 132 (1987)—U.S.S.R. (Soviet Far East).
- neodigyna P.C. Li in *Acta Bot. Yunnanica*, 12(2): 146 (1990)—China.
- neosachalinensis A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 131 (1987)—Sakhalin Is.
- nigra  
subsp. *iberica* S. Rivas Martínez in *Fontqueria*, 24: 14 (1989)—Spain.
- novogaliciana A.A. Reznicek in *Contrib. Univ. Mich. Herb.*, 17: 284 (1990)—Mexico.
- omeiensis  
var. *multifascula* Q.S. Wang in *J. Wuhan Bot. Res.*, 5(4): 343 (1987)—China.
- ouachitana R. Kral, J. Manhart & C.T. Bryson in *Ann. Missouri Bot. Gard.*, 74(2): 440 (1987)—U.S.A. (Arkansas, Oklahoma).
- ovatispiculata Wang & Y.L. Chang ex S.Y. Liang in *Acta Phytotax. Sin.*, 28(2): 155 (1990)—China.
- oxyandra  
var. *pauzhetica* (A.E. Kozhevnikov) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 288 (1988): C. *pauzhetica*.
- pallens (Fristedt) H. Harmaja in *Ann. Bot. Fenn.*, 23(2): 148 (1986): C. *digitata* var. *pallens*.
- pallida  
var. *lithophiloides* A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 381 (1988)—U.S.S.R. (Soviet Far East).
- paniculata  
subsp. *calderae* (Hansen) K. Lewejohann & W. Lobin in *Senckenberg. Biol.*, 67(4-6): 438 (1987): C. *calderae*.
- subsp. *hansenii* K. Lewejohann & W. Lobin in *Senckenberg. Biol.*, 67(4-6): 440 (1987)—Cape Verde Is.
- pisanoi G.A. Wheeler in *Syst. Bot.*, 12(4): 579 (1987)—Chile.
- pleioneura G.A. Wheeler in *Aliso*, 11(4): 533 (1987)—Chile, Argentina.
- poepigii C.B. Clarke ex G.A. Wheeler in *Aliso*, 12(1): 97 (1988), nom. nov.: C. *lamprocarpa* var. *rotundata* Kük.
- polymascula P.C. Li in *Acta Bot. Yunnanica*, 12(2): 140 (1990)—China.
- pomiensis Y.C. Yang in *Fl. Xizangica*, 5: 408 (1987)—Xizang.
- pseudosabynensis (Egor.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 266 (1988): C. *umbrosa* subsp. *pseudosabynensis*.
- pubicarpa (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 37 (1916-1920 publ. 1926): C. *glauca* var. *pubicarpa*.
- pubigluma A.A. Reznicek in *Contrib. Univ. Mich. Herb.*, 17: 282 (1990)—Mexico.
- pulchrifolia A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 133 (1987)—U.S.S.R. (Soviet Far East).
- pumila C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 846 (1784)—Japan.†
- purplevaginalis Q.S. Wang in *J. Wuhan Bot. Res.*, 5(4): 343 (1987)—China.
- qimenensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 49 (1989)—China.
- qingyangensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 77 (1988)—China.
- qiyunensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 50 (1989)—China.
- ridongensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 148 (1990)—Xizang.
- rochebrunii  
subsp. *reptans* (Franch.) S.Y. Liang & Y.C. Tang in *Acta Phytotax. Sin.*, 28(2): 158 (1990): C. *remotae* var. *reptans*.
- sagaensis Y.C. Yang in *Fl. Xizangica*, 5: 439 (1987)—Xizang.
- sahnii N. Ghildyal & U.C. Bhattacharyya in *J. Econ. Taxon. Bot.*, 7(2): 447 (1985 publ. 1986), nom. nov.: C. *kingiana* Clarke.
- scolopendrififormis Wang & Tang ex P.C. Li in *Acta Bot. Yunnanica*, 12(2): 142 (1990)—China.

**CAREX** :—

- shangchengensis S.Y. Liang in *Acta Phytotax. Sin.*, 24(3): 242 (1986)—China.
- shuchengensis S.W. Su & Q. Zhang in *Acta Phytotax. Sin.*, 27(6): 465 (1989)—China.
- spongiifolia A.E. Kozhevnikov in *Bot. Zhurn.*, 72(12): 1660 (1987)—U.S.S.R. (Soviet Far East), ? China.
- stipititriculata P.C. Li in *Acta Bot. Yunnanica*, 12(2): 137 (1990)—China.
- striata  
var. *erecta* (Dewey) C.F. Reed in *Phytologia*, 67(6): 453 (1989): C. *acuta* var. *erecta*.
- subspathacea  
subsp. *ramenskii* (Kom.) T.V. Egorova in *Bot. Zhurn.*, 75(6): 864 (1990): C. *ramenskii*.
- taihuensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 51 (1989)—China.
- toroensis G.A. Wheeler in *Syst. Bot.*, 14(2): 182 (1989)—Chile.
- transandina G.A. Wheeler in *Brittonia*, 38(4): 317 (1986)—Chile.
- transcaucasica T.V. Egorova in *Novosti Sist. Vyssh. Rast.*, 26: 11 (1989)—U.S.S.R. (Caucasus).
- tristachya C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 845 (1784)—Japan.†
- truncatirostris S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 45 (1989) China.
- f. *erostis* S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 47 (1989)—China.
- vallis-pulchrae  
var. *barrosiana* G.A. Wheeler in *Syst. Bot.*, 14(2): 178 (1989)—Tierra del Fuego, Argentina, Falkland Is.
- viridula  
var. *elator* (Schlechtendal) W.J. Crins in *Canad. J. Bot.*, 67(4): 1058 (1989): C. *flava* var. *elator*.
- var. *nevadensis* (Boissier & Reuter) W.J. Crins in *Canad. J. Bot.*, 67(4): 1060 (1989): C. *nevadensis*.
- var. *saxillitoralis* (Robertson) W.J. Crins in *Canad. J. Bot.*, 67(4): 1061 (1989): C. *saxillitoralis*.
- vixdentata (Kük.) G.A. Wheeler in *Aliso*, 12(1): 98 (1988): C. *extensa* var. *vixdentata*.
- vorobjevii A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 127 (1987)—U.S.S.R. (Soviet Far East), ? China.
- wahuensis  
subsp. *herbstii* T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 118 (1989)—Hawaiian Is.
- subsp. *rubiginosa* (R. Krauss) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 119 (1989): C. *wahuensis* var. *rubiginosa*.
- woroschilovii A.E. Kozhevnikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(6): 128 (1987)—U.S.S.R. (Soviet Far East), ? China.
- xiangxiensis Z.P. Wang in *Acta Bot. Yunnanica*, 11(2): 168 (1989)—China.
- xuanchengensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 48 (1989)—China.
- yuexiensis S.W. Su & S.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 78 (1988)—China.
- yulungshanensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 138 (1990)—China.
- yunlingensis P.C. Li in *Acta Bot. Yunnanica*, 12(2): 149 (1990)—China.
- zunyiensis T. Tang & F.T. Wang in *Acta Phytotax. Sin.*, 24(3): 241 (1986)—China.

**CARICA** (Caricac.).

- sect. *Holostigma* D.H. Lorence & R. Torres Colín in *Syst. Bot.*, 13(1): 109 (1988).
- cnidoscoloides D.H. Lorence & R. Torres Colín in *Syst. Bot.*, 13(1): 107 (1988)—Mexico.

**CARLINA** (Compos.).

- acanthifolia  
subsp. *baetica* J. Fernández Casas & Leal in J. Fernández Casas, *Exsicc. nobis distrib.*, 3: 10 (1980)—Spain.
- baetica (Fernández Casas & Leal) J. Fernández Casas in *Fontqueria*, 9: 19 (1985): C. *acanthifolia* subsp. *baetica*.
- brachylepis  
var. *lanigera* (Faure & Maire) D.P. Petit in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 421 (1987 publ. 1988): C. *involuta* var. *lanigera*.



- CARLINA** :-  
 frigida  
 subsp. renatae H. Meusel & M. Dittrich in *Candollea*, 44(2): 534 (1989)—Lebanon.  
 libanotica  
 subsp. microcephala (Post) H. Meusel & M. Dittrich in *Candollea*, 44(2): 534 (1989): C. libanotica var. microcephala.  
 texedae A. Marrero in *Bot. Macaronésica*, 18: 71 (1989)—Canary Is.
- CARLOWRIGHTIA** (Acanthac.).  
 fuertensis T.F. Daniel in *Brittonia*, 40(3): 246 (1988)—Mexico.  
 huicholiana T.F. Daniel in *Brittonia*, 40(3): 249 (1988)—Mexico.  
 neesiana (Schauer ex Nees) T.F. Daniel in *Brittonia*, 40(3): 252 (1988): *Cardianthus neesianus*.
- CARLUDOVICA** (Cyclanthac.).  
 sulcata B.E. Hammel in *Phytologia*, 60(1): 8 (1986)—Costa Rica, Nicaragua.
- CARMINATIA** (Compos.).  
 anomala B.L. Turner in *Pl. Syst. Evol.*, 160(3-4): 173 (1988)—Mexico.
- CARNEGIEA** (Cactac.).  
 polylopha (DC.) D. Hunt in *Bradleya*, 6: 100 (1988): *Cereus polylophus*.
- CAROXYLON** (Chenopodiace.).  
 hispidulum A. Bunge, *Beitr. Fl. Russl.*: 293 (1852)—U.S.S.R. (Middle Asia).†
- CARPACOCE** (Rubiace.).  
 burchellii C. Puff in *Fl. S. Afr.*, 31(1:2): 59 (1986)—South Africa (Cape Province).  
 curvifolia C. Puff in *Fl. S. Afr.*, 31(1:2): 57 (1986)—South Africa (Cape Province).  
 gigantea C. Puff in *Fl. S. Afr.*, 31(1:2): 56 (1986)—South Africa (Cape Province).  
 scabra  
 subsp. rupestris C. Puff in *Fl. S. Afr.*, 31(1:2): 59 (1986)—South Africa (Cape Province).  
 spermacoce  
 subsp. orientalis C. Puff in *Fl. S. Afr.*, 31(1:2): 56 (1986)—South Africa (Cape Province).
- CARPENTERARA** hort. in *Orchid Rev.*, 95(1123): centre page pull-out p. 9 (1987). *ORCHIDACEAE*. (*Baptistonia* × *Odontoglossum* × *Oncidium*).
- CARPESIMUM** (Compos.).  
 nepalense  
 var. ciliatum (Hook. f.) S. Kumar in R.R. Rao et al., *Fl. Ind. Enumerat.* - *Asterac.*: 21 (1988): C. cernuum var. ciliatum.  
 var. griffithii (Hook. f.) S. Kumar in R.R. Rao et al., *Fl. Ind. Enumerat.* - *Asterac.*: 21 (1988): C. cernuum var. griffithii.  
 var. nilagiricum (Clarke) S. Kumar in R.R. Rao et al., *Fl. Ind. Enumerat.* - *Asterac.*: 22 (1988): C. cernuum var. nilagiricum.  
 var. pedunculosa (Clarke) S. Kumar in R.R. Rao et al., *Fl. Ind. Enumerat.* - *Asterac.*: 22 (1988): C. cernuum var. pedunculosa.
- CARPHALEA** (Rubiace.).  
 kirontron  
 subsp. geayi (Homolle) C. Puff in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 302 (1988): C. geayi.  
 somaliensis C. Puff in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 297 (1988)—Somali Republic.
- CARPHOCHAETE** (Compos.).  
 durangensis Grashoff ex B.L. Turner in *Phytologia*, 64(2): 153 (1987)—Mexico.  
 pringlei (S. Wats.) Grashoff ex B.L. Turner in *Phytologia*, 64(2): 158 (1987): *Stevia pringlei*.  
 var. simulans (B.L. Rob.) B.L. Turner in *Phytologia*, 64(2): 159 (1987): *Stevia simulans*.
- CARPINUS** (Corylac.).  
 caroliniana  
 subsp. virginiana (Marshall) J.J. Furlow in *Syst. Bot.*, 12(3): 429 (1987): C. betulus virginiana.
- CARPINUS** :-  
 caucasica A.A. Grossheim in *Izv. Azerbaïdzhansk. Fil. Akad. Nauk SSSR*, 1940(5): 34 (1940)—U.S.S.R. (Caucasus), Iran.  
 dayongina K.W. Liu & Q.Z. Lin in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 143 (1986)—China.  
 henryana  
 var. oblongifolia (Hu) K. Rushforth in *Plantsman*, 8(4): 249 (1987): C. turczaninowii var. oblongifolia.  
 var. simplicidentata (Hu) K. Rushforth in *Plantsman*, 8(4): 249 (1987): C. simplicidentata.  
 kawakamii  
 var. minutiserrata (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 271 (1988): C. minutiserrata.  
 luochengensis J.Y. Liang in *Guihaia*, 6(4): 275 (1986)—China.  
 shensiensis  
 var. paucineura S.C. Qu & K.Y. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 111 (1988)—China.  
 tropicalis  
 subsp. mexicana J.J. Furlow in *Syst. Bot.*, 12(3): 431 (1987)—Mexico.
- CARPOBROTUS** (Aizoac.).  
 edulis  
 var. chrysophthalmus C.D. Preston & P.D. Sell in *Watsonia*, 17(3): 238 (1989)—Great Britain.
- CARRUTHERSIA** (Apocynac.).  
 macrantha A.C. Smith in *Fl. Vitiensis Nova*, 4: 80 (1988)—Fiji.
- CARTERELLA** E.E. Terrell in *Brittonia*, 39(2): 250 (1987). *RUBIACEAE*.  
 alexandrae (A. Carter) E.E. Terrell in *Brittonia*, 39(2): 250 (1987): *Bouvardia alexandrae*.
- CARTHAMUS** (Compos.).  
 tamamschjanæ E.Ts. Gabriélyan in *Fl., Rast. i Rast. Res. Arm. SSR (Sborn. Nauch. Trud.)*, 10: 21 (1987)—U.S.S.R. (Caucasus).
- CARUM** (Umbellif.).  
 flexuosum (With.) Sweet, *Hort. Brit.*, ed. 2: 246 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.  
 graecum  
 subsp. serpentinum P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 700 (1986)—Greece, Jugoslavia, ?Albania.  
 rigidulum  
 subsp. bulgaricum P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 698 (1986)—Greece, Bulgaria, Jugoslavia.  
 subsp. palmatum P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 699 (1986)—Greece, ?Bulgaria.  
 rupicola P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2-3): 302 (1987)—Turkey.
- CARYA** (Juglandac.).  
 dabieshanensis M.C. Liu & Z.J. Li in *J. Zhejiang Forest. Coll.*, 1(1): 41 (1984), with two types cited—China.
- CARYOCAR** (Caryocarac.).  
 harlingii G.T. Prance & F. Encarnación in *Op. Bot.*, 92: 182 (1987)—Peru, Colombia.
- CARYODAPHNOPSIS** (Laurac.).  
 burgeri N. Zamora V. & L.J. Poveda A. in *Ann. Missouri Bot. Gard.*, 75(3): 1160 (1988)—Costa Rica.  
 cogolloi H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 407 (1988)—Colombia.  
 fosteri H. van der Werff in *Syst. Bot.*, 11(3): 415 (1986)—Peru, Ecuador.
- CARYOPTERIS** (Verbenac.).  
 jinshajiangensis Y.K. Yang & X.D. Cong in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 45 (1990)—China.
- CASIMIROA** (Rutac.).  
 greggii (S. Watson) F. Chiang in *Taxon*, 38(1): 116 (1989): *Sargentia greggii*.
- CASSIA** (Legumin.).  
 acuta Meyen ex T. Vogel, *Syn. Gen. Cassiae*: 42 (1837)—Chile.†  
 burmanni Wall. in *Trans. Med. Phys. Soc. Calcutta*, 8: 164 (1836), non DC (1825); cf. D.J. Mabberley in *Taxon*, 30(1): 9 (1981)—Locality not stated.  
 davidsonii V. Singh in *J. Econ. Taxon. Bot.*, 10(2): 321 (1987 publ. 1988)—India.  
 floribunda  
 var. pubescens V. Singh in *J. Econ. Taxon. Bot.*, 10(2): 326 (1987 publ. 1988)—India.  
 indochinensis (Gagnep.) V. Singh in *J. Econ. Taxon. Bot.*, 10(2): 327 (1987 publ. 1988): C. javanica var. indochinensis.  
 italica (Mill.) Sprengel, *Bot. Gart. Univ. Halle*: 21 (1800); cf. D.J. Mabberley in *Taxon*, 30(1): 9 (1981): *Senna italica*.  
 nilgirica V. Singh in *J. Econ. Taxon. Bot.*, 10(2): 323 (1987 publ. 1988)—India.  
 nodosa F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 6: 312 (1 January 1832); fide D.J. Mabberley in *Taxon*, 26(5-6): 529 (1977)—India.  
 porturegalis E.N. Bancroft in *Jamaica Courant*: 13-17 (Nov. 1827) et in *Roy. Gaz.*, 49(46): 22 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 9 (1981)—?Jamaica.  
 sumatrana Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 135 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.  
 telfairiana (Hook. f.) R.M. Polhill in *Kew Bull.*, 41(4): 810 (1986): C. mimosoides var. telfairiana.  
 umbellata Bertol., *Syll. Pl. Hort. Bot. Bonon.*, 1827: 4 (1827); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—Locality not stated.
- CASSINE** (Celastrac.).  
 albens (Retz.) A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 178 (1986 publ. 1987): Schrebera albens.  
 balae A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 185 (1986 publ. 1987)—Sri Lanka.  
 congylos A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 187 (1986 publ. 1987)—Sri Lanka.  
 grossa (Wall. ex Roxb.) A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 178 (1986 publ. 1987): *Euonymus grossa*.  
 koordersii A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 188 (1986 publ. 1987)—Java.  
 obiensis A.J.G.H. Kostermans in *Gard. Bull. Singapore*, 39(2): 190 (1986 publ. 1987)—Moluccas.
- CASSINIA** (Compos.).  
 rugata N.G. Walsh in *Muelleria*, 7(2): 141 (1990)—Australia (Victoria).
- CASSIOPE** (Ericac.).  
 fujianensis L.K. Ling & G.S. Hoo in *Fl. Fujianica*, 4: 633 (1989 publ. 1990)—China.
- CASSIPOUREA** (Rhizophorac.).  
 subgen. Dinklageoheiha (Engl.) J.-J. Floret in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 36 (1988): Weihea sect. Dinklageoheiha.  
 subgen. Pumiloweheiha J.-J. Floret in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 42 (1988).  
 subgen. Zenkeroweheiha (Engl.) J.-J. Floret in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 39 (1988): Weihea sect. Zenkeroweheiha.  
 acuminata L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 139 (1986)—Zaire, Gabon.  
 evrardii J.J. Floret in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 447 (1986)—Zaire.  
 louisii L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 140 (1986)—Zaire, Gabon, Rwanda, Burundi.  
 pumila J.-J. Floret in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 39 (1988)—Gabon.

**CASTANOPSIS** (Fagac.).

- ser. *Argyrophyllae* W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 7 (1988).
- ser. *Callaeocarpus* (Miq.) W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 9 (1988), without basionym ref.: Basionym not stated.
- ser. *Carlesanae* W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 6 (1988).
- ser. *Chinenses* W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 4 (1988).
- subsect. *Chlamydoalanus* (Endl.) W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 8 (1988): *Quercus* B. *Chlamydoalanus*.
- ser. *Concinnae* W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 4 (1988).
- subsect. *Echinocastanopsis* (Cheng & C.S. Chao) W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 3 (1988), based on superfl. name which is a nom. nov. for an invalid name: C. sect. *Echinocastanopsis*.
- sect. *Fissae* W.C. Cheng & C.S. Chao in *Bull. Forest Pl. Res.*, 4: 10 (1988), nom. nov., without replaced synonym ref.: Replaced synonym not stated.
- subgen. *Limlia* (Masamune & Tomiya) W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 9 (1988): gen. *Limlia*.
- ser. *Mekongenses* S. Duanmu in *Bull. Forest Pl. Res.*, 4: 5 (1988).
- sect. *Multiflorae* S. Duanmu in *Bull. Forest Pl. Res.*, 4: 8 (1988).
- subgen. *Pseudocastanopsis* (Hickel & A. Camus) W.C. Cheng & S. Duanmu in *Bull. Forest Pl. Res.*, 4: 9 (1988): *Pasania* subgen. *Pseudocastanopsis*.
- ser. *Rhamnifoliae* S. Duanmu in *Bull. Forest Pl. Res.*, 4: 7 (1988).
- ser. *Rockanae* S. Duanmu in *Bull. Forest Pl. Res.*, 4: 8 (1988).
- amabilis W.C. Cheng & C.S. Chao in *Sci. Silvae Sin.*, 8(1): 5 (1963)—China.
- carlesii
- var. *taiwanensis* C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 9 (1984)—Taiwan.
- chunii W.C. Cheng in *Sci. Silvae Sin.*, 8(1): 5 (1963)—China.
- cuspidata
- var. *carlesii* (Hemsley) T. Yamazaki in *J. Jap. Bot.*, 62(11): 333 (1987): *Quercus carlesii*.
- var. *longicaudata* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 222 (1988): *Quercus longicaudata*.
- damingshanensis S.L. Mo ex C.C. Huang & Y.T. Chang in *Guihaia*, 10(1): 3 (1990), contrary to Art. 37.5 ICBN (1988)—China.
- nigrescens Chun & C.C. Huang in *Guihaia*, 10(1): 4 (1990), contrary to Art. 37.5 ICBN (1988)—China.
- eyrei
- var. *brachyacantha* (Hay.) C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 11 (1984): *C. brachyacantha*.
- globigemmata Chun & C.C. Huang in *Guihaia*, 10(1): 1 (1990), contrary to Art. 37.5 ICBN (1988)—China.
- hamata S. Duanmu in *Sci. Silvae Sin.*, 8(2): 188 (1963)—Hainan.
- hupehensis C.S. Chao in *Sci. Silvae Sin.*, 8(2): 187 (1963)—China.
- jianfenglingensis S. Duanmu in *Sci. Silvae Sin.*, 8(2): 187 (1963)—Hainan.
- ledongensis C.C. Huang & Y.T. Chang in *Guihaia*, 10(1): 5 (1990), contrary to Art. 37.5 ICBN (1988)—Hainan.
- oblongifolia W.C. Cheng & C.S. Chao in *Sci. Silvae Sin.*, 8(2): 186 (1963)—China.
- rufescens (Hook. f. & Th.) C.C. Huang & Y.T. Chang in *Guihaia*, 10(1): 6 (1990), basionym not validly publ.: *Quercus rufescens*.
- sessilis (Nakai) C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 15 (1984): *C. carlesii* var. *sessilis*.
- siamensis S. Duanmu in *Sci. Silvae Sin.*, 8(2): 189 (1963)—Thailand.
- sieboldii
- var. *lutchuensis* (Koidz.) T. Yamazaki & S. Mashiba in *J. Jap. Bot.*, 62(11): 335 (1987): *Lithocarpus lutchuensis*.
- subsp. *lutchuensis* (Koidz.) H. Ohba in *J. Jap. Bot.*, 64(11): 324 (1989): *Lithocarpus lutchuensis*.

**CASTANOPSIS** :-

- subuliformis Chun & C.C. Huang in *Guihaia*, 10(1): 7 (1990), contrary to Art. 37.5 ICBN (1988)—China.
- wenchangensis G.A. Fu & C.C. Huang in *Acta Phytotax. Sin.*, 27(2): 151 (1989)—Hainan.
- xichouensis C.C. Huang & Y.T. Chang in *Guihaia*, 10(1): 2 (1990)—China.

**CASTILLEJA** (Scrophulariac.).

- olgae A.P. Khokhryakov in *Biol. Rast. i Fl. Sev. Dal'n. Vostok.* (ed. M.T. Mazurenko): 16 (1981)—U.S.S.R. (Soviet Far East).
- parvula
- var. *revelii* (N. Holmgren) N.D. Atwood in *Great Basin Nat.*, 46(2): 260 (1986): *C. revelii*.
- rhexifolia
- var. *sulphurea* (Rydb.) N.D. Atwood in *Great Basin Nat.*, 46(2): 260 (1986): *C. sulphurea*.
- socorrensis R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico* (Mem. San Diego Soc. Nat. Hist. 16): 52 (1989)—Revilla Gigedo Is.

**CASUARINA** Linnaeus, *Amoen. Acad.*, 4: 123, 143 (1759). **CASUARINACEAE**. †

- cunninghamiana
- subsp. *miodon* L.A.S. Johnson in *Fl. Australia*, 3: 200, 107 (1989)—Australia (N. Terr., Queensland).
- muricata Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 161 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.
- pauper F. Muell. ex L.A.S. Johnson in *Fl. Australia*, 3: 202, 110 (1989)—Australia (S. Australia, W. Australia, New South Wales, Victoria).

**CATABROSA** (Gramin.).

- angusta (Stapf) L. Liou in *Fl. Xizangica*, 5: 141 (1987): *C. aquatica* var. *angusta*.

**CATABROSELLA** (Gramin.).

- sect. *Himalaica* (Tzvel.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 108 (1988): *Colpodium* sect. *Himalaica*.
- subgen. *Nevskia* (Tzvel.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 98 (1988): *Colpodium* subgen. *Nevskia*.
- sect. *Variegata* (Nevski) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 99 (1988): *Colpodium* ser. *Variegata*.
- parviflora (Boiss. & Buhse) Czop. ex E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 107 (1988), isonym; see R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 9: 496 (1985): *Colpodium parviflorum*.
- subsp. *calvertii* (Boiss.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 107 (1988), isonym; see R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 9: 496 (1985): *Colpodium calvertii*.
- subornata E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 105 (1988)—U.S.S.R. (Caucasus).
- variegata
- var. *leiantha* (Hack.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 103 (1988), isonym; see R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 9: 496 (1985): *Colpodium leianthum*.

**CATANANCHE** (Compos.).

- arenaria
- var. *dimorpha* A. Dobignard in *Saussurea*, 19: 118 (1988 publ. 1989)—Morocco.

**CATANATHERA** (Melastomatac.).

- tawaensis (Merr.) J.C. Regalado in *Blumea*, 35(1): 64 (1990): *Medinilla tawaensis*.

**×CATASANDRA** hort. in *Orchid Rev.*, 95(1129): centre page pull-out p. 10 (1987). **ORCHIDACEAE**. (*Catasetum* × *Galeandra*).**CATASETUM** (Orchidac.).

- sect. *Anisoceras* (Mansf.) K. Senghas in *Orchidee*, 41(6): 215 (1990): C. subsect. *Anisoceras*.
- subsect. *Convergentes* H.D. Bicalho & F. de Barros in *Lindleyana*, 3(2): 88 (1988).
- subsect. *Divaricatae* H.D. Bicalho & F. de Barros in *Lindleyana*, 3(2): 92 (1988).
- sect. *Isoceras* (Mansf.) K. Senghas in *Orchidee*, 41(6): 215 (1990): C. subsect. *Isoceras*.

**CATASETUM** :-

- subgen. *Pseudocatasetum* (Rolfe) K. Senghas in *Orchidee*, 41(6): 215 (1990): C. sect. *Pseudocatasetum*.
- cochabambanum C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 207 (1989)—Bolivia.
- denticulatum F.E. Miranda in *Lindleyana*, 1(3): 152 (1986)—Brazil.
- ×dunstervillei G.A. Romero & G. Carnevali in *Ann. Missouri Bot. Gard.*, 76(2): 458 (1989)—Venezuela. (C. discolor × pileatum).
- gomezii G.A. Romero & G. Carnevali in *Ann. Missouri Bot. Gard.*, 76(2): 455 (1989)—Venezuela.
- jarae C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 17 (1989)—Peru.
- kempffii C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 308 (1989)—Bolivia.
- lanceatum F.E. Miranda in *Lindleyana*, 1(3): 148 (1986)—Brazil.
- merchae G.A. Romero in *Selbyana*, 10(1): 73 (1987 publ. 1988)—Venezuela.
- multifidum F.E. Miranda in *Lindleyana*, 1(3): 154 (1986)—Brazil.
- nanayanum C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 18 (1989)—Peru.
- parguazense G.A. Romero & G. Carnevali in *Ann. Missouri Bot. Gard.*, 76(2): 457 (1989)—Venezuela.
- peruvianum C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 19 (1989)—Peru.
- schunkei C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 20 (1989)—Peru.
- semicirculatum F.E. Miranda in *Lindleyana*, 1(3): 156 (1986)—Brazil.
- trautmannii K. Senghas in *Orchidee*, 41(6): 216 (1990)—Peru.

**CATHA** (Celastrac.).

- abbottii A.E. van Wyk & M. Prins in *S. Afr. J. Bot.*, 53(3): 202 (1987)—South Africa (Cape Province, Natal).
- edulis (Vahl) S. Endlicher, *Enchiridion Bot.*: 575 (1841): *Celastrus edulis*. †

**CATHARTOCARPUS** (Legumin.).

- erubescens W. Hamilton in *Pharm. J.*, 5: 119 (1845); cf. D.J. Mabberley in *Taxon*, 30(1): 10 (1981)—?Jamaica.

**CATOBLASTUS** (Palmae).

- distichus R. Bernal-Gonzalez in *Principes*, 30(1): 38 (1986)—Colombia.
- inconstans (Dugand) Glassman ex R. Bernal-Gonzalez in *Principes*, 30(1): 41 (1986), combination validly publ. in 1972: *Catostigma inconstans*.

**CATOFERIA** (Labiata).

- martinezii T.P. Ramamoorthy in *Kew Bull.*, 41(2): 303 (1986)—Mexico.

**CATOSTEMMA** (Bombacac.).

- clarkii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 638 (1987)—Venezuela.
- ebracteolatum J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 641 (1987)—Venezuela.
- hirsutulum J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 642 (1987)—Venezuela.
- marahuacense J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 643 (1987)—Venezuela.
- pubistylum J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 643 (1987)—Venezuela.
- sancarlosianum J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 644 (1987)—Venezuela.

**CATTLEA** (Orchidac.).

- bicolor
- var. *canastrensis* L.C. Menezes in *Brasil Florest.*, 14(61): 46 (1987), without type—Brazil.
- labiata
- var. *albo-oculata* (Cogn.) J.A. Fowlie in *Orchid Dig.*, 51(3): 111 (1987): *C. labiata* f. *albo-oculata*.
- var. *albo-oculata* (Cogn.) L.C. Menezes in *Orchid Dig.*, 51(3): 138 (1987): *C. labiata* f. *albo-oculata*.
- var. *purpureostriata* (Cogn.) L.C. Menezes in *Orchid Dig.*, 51(3): 138 (1987): *C. labiata* f. *purpureo-striata*.

**CATTLEYA** :-

- mendelii  
var. morganae (Warner & Williams) G.J. Braem, *Cattleya II, Unifoliate Cattleyas*: 58 (1986): C. morganae.  
mooreana C.L. Withner, Allison & Guenard in C.L. Withner, *Cattleyas & Relatives*, 1: 95 (1988)—Peru.  
mossiae  
var. wagneri (Rchb. f.) G.J. Braem, *Cattleya II, Unifoliate Cattleyas*: 65 (1986), without basionym page: C. wagneri.  
motae L.C. Menezes ex A.B. Gomes Ferreira in *Orchidophile*, 83: 176 (1988)—Brazil.  
tenuis M.A. Campacci & P.L. Vedovello in *Circulo Paulista de Orquidófilos*, 1: 1-3 (1983); cf. J.A. Fowlie in *Orchid Dig.*, 50(4): 151 (1986); et C.L. Withner, *Cattleyas & Relatives*, 1: 115 (1988)—Brazil.  
trichopilochila  
var. virginalis (Linden & André) G.J. Braem, *Cattleya II, Unifoliate Cattleyas*: 84 (1986): C. virginalis.

**CAUCALIS** (Umbellif.).

- gummifera (Lam.) Lag., *Elenchus*: 3 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.  
lucida (L.) Lag., *Elenchus*: 3 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.

**CAULARTHRON** (Orchidac.).

- kraenzlinianum H.G. Jones in *Carib. J. Sci.*, 16(1-4): 119 (1980 publ. 1981)—Windward Is.

**CAULINIA** (Najadac.).

- alagnensis Poll., *Cat. Pl. Hort. Bot. Veron.*, 1814: 13 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.  
orientalis (Triest & Uotila) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 344 (1987): Najas orientalis.

**CAVENDISHIA** (Ericac.).

- chocoensis  
var. hirsuta J.L. Luteyn in *Op. Bot.*, 92: 113 (1987)—Colombia.  
spectabilis Bull., *Cat. 1889*: 7 (1889); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**CAYLUSEA** (Resedac.).

- jaberi S. Abedin in *Willdenowia*, 15(2): 433 (1986)—Saudi Arabia.

**CAYRATIA** (Vitac.).

- cardiophylla B.R. Jackes in *Austrobaileya*, 2(4): 371 (1987)—Australia (Queensland).  
kiujiangensis C.Y. Wu in *Fl. Xizangica*, 3: 228 (1986)—China, Xizang.  
longzhouensis W.T. Wang in *Guihaia*, 8(2): 115 (1988)—China.  
maritima B.R. Jackes in *Austrobaileya*, 2(4): 366 (1987)—Australia (Queensland, N. Terr.).  
neurosa (Kurz) H.N. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 98 (1990): Vitis neurosa.

**CEANOTHUS** (Rhamnac.).

- greggii  
subsp. perplexans (Trelease) R.M. Beauchamp in *Phytologia*, 59(7): 440 (1986): C. perplexans.  
roweanus (McMinn) M. van Rensselaer, *Ceanothus Part I*: 83 (1942): C. papillosus var. roweanus.

**CECROPIA** (Cecropiac.).

- granvilleana C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 7(3): 255 (1985 publ. 1986)—French Guiana.

**CEDRELOPSIS** (Ptaeroxylac.).

- ambanjensis J.F. Leroy in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 47 (1990)—Madagascar.  
gracilis J.F. Leroy in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 48 (1990)—Madagascar.

**CEDRELOPSIS** :-

- longibracteata J.F. Leroy in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 50 (1990)—Madagascar.  
microfoliolata J.F. Leroy in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 52 (1990)—Madagascar.  
procera J.F. Leroy in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 55 (1990)—Madagascar.

**CEDRUS** (Pinac.).

- libani  
subsp. deodara (D. Don) P.D. Sell in *Watsonia*, 18(1): 92 (1990): Pinus deodara.  
f. glaucissima P.D. Sell in *Watsonia*, 18(1): 92 (1990), nom. nov.: C. atlantica var. glauca Carrière.

**CEIBA** (Bombacac.).

- insignis (Kunth) P.E. Gibbs & J. Semir in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 134 (1988): Chorisia insignis.

**CELASTRUS** (Celastrac.).

- alatus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 237 (1784)—Japan.†  
glaucophyllus  
var. rugosus (Rehd. & Wils.) C.Y. Wu ex Y.C. Ho in *Fl. Tsinlingensis*, 1(3): 212 (1981): C. rugosus.  
orbiculatus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 237 (1784)—Japan.  
punctatus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 237 (1784)—Japan.†  
rosthornianus  
var. loeseneri (Rehd. & Wils.) C.Y. Wu ex Y.C. Ho in *Fl. Tsinlingensis*, 1(3): 213 (1981): C. loeseneri.  
striatus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 237 (1784)—Japan.†  
umbellatus R. Brown in C.L. von Buch, *Phys. Besch. Canar. Ins.*: 198 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 62 (1980)—Madeira.

**CELSIA** (Scrophulariac.).

- coccinea (Willd.) Parmentier, *Cat. Pl. Enghien*: 17 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.  
coromandelina Koen. ex Rottb., *Pl. Hort. Univ. Rar. Prog.*: 29 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.  
parviflora J. Decaisne in *Ann. Sci. Nat., Ser. 2*, 2: 254 (1834)—Sinai.†

**CELTIS** (Ulmac.).

- conferta  
subsp. amblyphylla (F. Mueller) P.S. Green in *J. Arnold Arbor.*, 67(1): 120 (1986): C. amblyphylla.  
pallida  
var. discolor A.T. Hunziker & N.M. Dottori in *Kurtziana*, 9: 130 (1976)—Argentina.

**CENCHRUS** (Gramin.).

- robustus R.D. Webster, *Australian Paniceae (Poac.)*: 27 (1987)—Australia (Queensland).

**CENTAUREA** (Compos.).

- nothosect. Borcea J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 7: 7 (1985), contrary to Art. H9.1 ICBN (1983).  
nothosect. Chamaecentron J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 2 (1982). (C. sect. Acrocentron × sect. Chamaecyanus).  
subsect. Chamaecyanus J. Fernández Casas & A. Susanna de la Serna in *Treb. Inst. Bot. Barcelona*, 10: 60 (1985 publ. 1986).  
subsect. Lagascanae J. Fernández Casas & A. Susanna de la Serna in *Treb. Inst. Bot. Barcelona*, 10: 93 (1985 publ. 1986).  
nothosect. Lophocyanus J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 1 (1982). (C. sect. Chamaecyanus × sect. Lopholoma).  
alba  
var. ciliata Font Quer ex O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988)—Spain.  
var. costae (Willk.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988): C. costae.

**CENTAUREA** :-

- var. maluqueri (Font Quer) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988): C. costae var. maluqueri.  
var. montsiciana (Pau & Font Quer ex Font Quer) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. costae var. montsiciana.  
subsp. montsiciana (Pau & Font Quer) A.M. Romo i Diez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 304 (1989): C. costae var. montsiciana.  
albertii F. Rexhepi in *Fl. SR Srbije*, 10: 351 (1986)—Jugoslavia.  
ambiensis  
var. tentudaica (Rivas Goday) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 1 (1982): C. toletana subsp. tentudaica.  
× andresiana J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 1 (1982)—Spain. (C. scabiosa × toletana var. argemillensis).  
araxina E. Ts. Gabrielyan in *Novosti Sist. Vyssh. Rast.*, 25: 169 (1988)—U.S.S.R. (Caucasus).  
balbisiana A. Soldano in *Atti Soc. Ital. Sci. Nat. Mus. Civ. Stor. Nat. Milano*, 127(3-4): 217 (1986), nom. nov.: C. procumbens Balbis.  
boissieri  
subsp. beltranii (Pau) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. tenuifolia subsp. beltrani.  
var. beltranii (Pau) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. tenuifolia subsp. beltrani.  
var. dufourii (Dostál) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. boissieri subsp. dufourii.  
var. humilis (Pau) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. spachii var. humilis.  
subvar. integrifolia (Willk.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. tenuifolia var. integrifolia.  
subsp. lagascae (Nyman) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. lagascae.  
var. macrocephala (Blanca) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. rouy var. macrocephala.  
var. mariolensis (Rouy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. mariolensis.  
var. piniae (Pau) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. piniae.  
subvar. piniae (Pau) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. piniae.  
subsp. rouyi (Coincy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. rouy.  
var. rouyi (Coincy) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): C. rouy.  
var. suffrutescens (Blanca) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): C. rouy var. suffrutescens.  
subsp. transmalvana (Emb. & Maire) I. Breitwieser & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 52 (1986): C. boissieri var. transmalvana.  
bombycina  
subsp. xeranthemoides (Lange) G. Blanca, M. Cueto & M.C. Quesada in *Saussurea*, 19: 29 (1988 publ. 1989): C. funkii var. xeranthemoides.  
carolipauana J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 2 (1982), nom. nov.: C. prolongi var. macrocephala Pau & Font Quer.  
× ceballosii  
nothovar. andresiana (Fernández Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 7: 10 (1985): C. × andresiana.  
× cephalarseptimae J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 9: 16 (1985)—Spain. (C. cephalariifolia × legionis-septimae).  
nothovar. cremenensis J. Fernández Casas in *Fontqueria*, 10: 7 (1986)—Spain.  
czirkeiensis Sh.A. Guseinov in *Bot. Zhurn.*, 75(3): 430 (1990)—U.S.S.R. (Caucasus).  
debduensis I. Breitwieser & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 54 (1986)—Morocco.

**CENTAUREA** :-

- delicatula *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 59 (1986)—Tunisia, Algeria.
- erivanensis  
subsp. holargyreus (*Bornm.* & *Woronow*) *É.Ts. Gabriélyan* in *Novosti Sist. Vyssh. Rast.*, 25: 163 (1988); *Psephellus holargyreus*.
- fajvuschi *E.Ts. Gabriélyan* in *Novosti Sist. Vyssh. Rast.*, 25: 164 (1988)—U.S.S.R. (Caucasus).
- gabrielis-blancae *J. Fernández Casas* in *Fontqueria*, 10: 6 (1986), nom. nov.: *C. ornata* var. *microcephala* Willk.
- gadorenensis *G. Blanca* in *Lazaroa*, 6: 173 (1984 publ. 1985), nom. nov.: *C. tenuifolia* var. *tenuiloba* Boiss.
- galiano *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 20: 13 (1988)—Spain.
- hanryi  
subsp. isernii (Willk.) *B.E. Smythies* in *Englera*, 3(3): 880 (1986): *C. isernii*.
- subsp. spinabadia (*Bubani* ex *Timb.-Lagr.*) *B.E. Smythies* in *Englera*, 3(3): 880 (1986): *C. spinabadia*.
- ×hurtadoi *G. Blanca* in *Lazaroa*, 6: 169 (1984 publ. 1985)—Spain, Portugal. (*C. aspera* subsp. *aspera* × *pullata*).
- jacea  
var. cadevallii *Font Quer* ex *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988)—Spain.
- var. rusciniensis (Boiss.) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. rusciniensis*.
- var. vinyalsii (Sennen) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. vinyalsii*.
- kamciensis *H. Kočev* & *S. Gančev* in *Dokl. Bolg. Akad. Nauk*, 21(2): 151 (1968)—Bulgaria.
- kartschiana  
var. coronata *A.Ž. Lovrić* in *Acta Bot. Croat.*, 30: 136 (1971), as 'comb. nov.'—Yugoslavia.
- subsp. curictana *A.Ž. Lovrić* in *Acta Bot. Croat.*, 30: 138 (1971), as 'comb. nov.'—Yugoslavia.
- f. troglodytes *A.Ž. Lovrić* in *Acta Bot. Croat.*, 30: 136 (1971)—Yugoslavia.
- lagascana  
f. livida *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Treb. Inst. Bot. Barcelona*, 10: 99 (1985 publ. 1986)—Spain.
- lainzii *J. Fernández Casas*, *Exsicc. me. distrib.*, 1: 9 (1975)—Spain.
- legionis-septimae *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 9: 13 (1985)—Spain.
- leucophaea  
subsp. controversa (*Briq.* & *Cavill.*) *M. Kerguelen* in *Lejeunia*, 120: 65 (1987): *C. paniculata* subsp. *controversa*.
- var. oscillans (*Pau* & *Font Quer*) *A.M. Romo i Diez*, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 302 (1989): *C. bififormis* var. *oscillans*.
- linifolia  
subsp. caballeroi (*Font Quer* & *Pau* ex *Font Quer*) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. caballeroi*.
- var. caballeroi (*Font Quer* & *Pau* ex *Font Quer*) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. caballeroi*.
- var. meridionalis *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988)—Spain.
- livonica *Weinm.*, *Bot. Gart. Kais. Univ. Dorpat*, 1810: 38 (1810); cf. *D.J. Mabberley* in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- montana  
subsp. lingulata (*Lagasca*) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. lingulata*.
- var. lingulata (*Lagasca*) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. lingulata*.
- var. pradensis *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988)—Spain.
- subsp. semidecurrens (*Jordan*) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. semidecurrens*.
- ×piifontiana *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 6: 5 (1984)—Spain. (*C. granatensis* × *mariana*).

**CENTAUREA** :-

- pomeliana  
subsp. rouxiana (*Maire*) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 74 (1986): *C. pomeliana* var. *rouxiana*.
- pulvinata (*G. Blanca*) *G. Blanca* in *Lazaroa*, 6: 173 (1984 publ. 1985): *C. sagredo* subsp. *pulvinata*.
- resupinata  
subsp. degenii (Sennen) *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 1: 4 (1982): *C. degenii*.
- subsp. lagascae (Nyman) *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 1: 4 (1982): *C. lagascae*.
- subsp. lagascae (Nyman) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 90 (1986), isonym: *C. lagascae*.
- subsp. rifana (Emb. & Maire) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 87 (1986): *C. boissieri* var. *rifana*.
- subsp. simulans (Emb. & Maire) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 85 (1986): *C. spachii* var. *simulans*.
- subsp. spachii (Schultz Bip. ex Willk.) *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Fontqueria*, 1: 4 (1982): *C. spachii*.
- subsp. spachii (Schultz Bip. ex Willk.) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 82 (1986), isonym: *C. spachii*.
- subsp. vulnerariifolia (Pomel) *I. Breitwieser* & *D. Podlech* in *Mitt. Bot. Staatssamml. München*, 22: 79 (1986): *C. vulnerariifolia*.
- saguntina *G. Mateo Sanz* & *M.B. Crespo Villalba* in *Bol. Soc. Brot.*, 61: 262 (1988)—Spain.
- ×sanctae-barbarae *G. Mateo Sanz* & *M.B. Crespo Villalba* in *Bol. Soc. Brot.*, 61: 264 (1988)—Spain. (*C. paui* × *piniae*).
- ×santamariae *Font Quer* ex *N. Garcia Jacas* & *A. Susanna* de la *Serna* in *Fontqueria*, 21: 5 (1988)—Spain. (*C. cineraria* × *clementei*).
- scabiosa  
var. cephalariifolia (Willk.) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 92 (1987 publ. 1988): *C. cephalariifolia*.
- var. integrifolia (Gaud.) *D.D. Delipavlov* in *Fitologiya*, 34: 70 (1988): *C. scabiosa* f. *integrifolia*.
- ×subdecurrens  
nothosubsp. albuferae (*M. Costa*) *M. Costa*, *M.B. Crespo* & *G. Mateo* in *Collect. Bot.*, 18: 94 (1990): *C. × albuferae*.
- var. segobricensis (*Pau*) *M.B. Crespo* & *G. Mateo* in *Collect. Bot.*, 18: 94 (1990): *C. × segobricensis*.
- ×ternilli *G. Mateo Sanz* & *M.B. Crespo Villalba* in *Bol. Soc. Brot.*, 61: 265 (1988), contrary to Art. H.5.2 ICBN (1988)—Spain. (*C. aspera* subsp. *stenophylla* × *spachii*).
- ultreia *F.J. Silva Pando* in *An. Jard. Bot. Madrid*, 44(2): 422 (1987)—Spain.
- ×valentina  
nothovar. aemiliae (*Font Quer*) *A. Susanna* de la *Serna* in *Fontqueria*, 18: 51 (1988): *C. × aemiliae*.
- nothosubsp. albuferae (*M. Costa*) *A. Susanna* de la *Serna* in *Fontqueria*, 18: 51 (1988): *C. × albuferae*.
- vavilovii *A.L. Takhtadzhyan* & *É.Ts. Gabriélyan* in *Bot. Zhurn.*, 72(12): 1657 (1987)—U.S.S.R. (Caucasus).
- xanthocephala  
subsp. xanthocephaloides (Tzvel.) *É.Ts. Gabriélyan* in *Novosti Sist. Vyssh. Rast.*, 25: 168 (1988): *C. xanthocephaloides*.
- ×zubiae  
nothovar. somedana *J. Fernández Casas* & *A. Susanna* de la *Serna* in *Treb. Inst. Bot. Barcelona*, 10: 115 (1985 publ. 1986)—Spain. (*C. lagascana* × *zubiae*).

**CENTAUURIUM** (Gentianac.).

- barrelieri (Léon-Dufour) *Font Quer* & *Rothmaler*, *Sched. Fl. Iber. Select.*, Cent. II-III, n. 179 (1935); cf. *C. Navarro*, *M. Gutiérrez-Bustillo* & *A.G. Bueno* in *Fontqueria*, 7: 12 (1985): *Erythraea barrelieri*.
- quadrifolium  
subsp. parviflorum (Willk.) *J. Pedrol* in *An. Jard. Bot. Madrid*, 43(1): 31 (1986): *Erythraea gypsicola* var. *parviflora*.

**CENTAUURIUM** :-

- serpentinicola *A. Carlström* in *Willdenowia*, 16(1): 75 (1986)—Turkey.
- CENTEELLA** (Umbellif.).  
macrodon (*Spreng.*) *B.L. Burt* in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 197 (1988 publ. 1989): *Hydrocotyle macrodon*.
- CENTOTHECA** (Gramin.).  
lappacea  
subsp. inermis (Rendle) *T. Koyama*, *Grasses of Japan & Neighbour. Regions*: 497 (1987): *C. lappacea* var. *inermis*.
- CENTRANTHUS** (Valerianac.).  
calceitrapae  
subsp. gutierrezii (Pau) *T. Romero Martín* & *E. Rico Hernández* in *Ruizia*, 8: 274 (1989): *C. calceitrapae* var. *gutierrezii*.
- macrosiphon  
var. andalusii *R. Fanlo* in *Lagascalia*, 14(1): 6 (1986), without type—Spain.
- nevadensis  
subsp. battandieri (Maire) *J. Fernández Casas* & *J. Molero* in *Treb. Inst. Bot. Barcelona*, 11: 30 (1987): *C. battandieri*.
- CENTRATHERUM** (Compos.).  
sengaltherianum *B.M. Narayana* in *Curr. Sci.*, 50(6): 279 (1981)—India.
- CENTROLEPIS** (Centrolepidac.).  
eremica *D.A. Cooke* in *Fl. S. Australia*, 4: 1826 (1986)—Australia (S. Australia, W. Australia, N. Terr., New South Wales).
- CENTROLOBIMUM** (Legumin.).  
microchaete (*Mart. ex Benth.*) *H.C. de Lima* in *Arq. Jard. Bot. Rio de Janeiro*, 27: 180 (1983–85 publ. 1985): *C. robustum* var. *microchaete*.
- sclerophyllum *H.C. de Lima* in *Arq. Jard. Bot. Rio de Janeiro*, 27: 182 (1983–85 publ. 1985)—Brazil.
- CENTROPODIA** (Gramin.).  
forskalii  
subsp. persica (*Bornm.*) *H. Scholz* in *Willdenowia*, 19(2): 446 (1990): *Danthonia forskalii* subsp. *persica*.
- CENTROSTEMMA** (Asclepiadac.).  
yunnanense *P.T. Li* in *Acta Bot. Yunnanica*, 12(1): 21 (1990)—China.
- CEPA** (Liliac.).  
carinata (*L.*) *Bernh.*, *Syst. Verz.*: 202 (1800); cf. *D.J. Mabberley* in *Taxon*, 33(3): 443 (1984): *Allium carinatum*.
- CEPHALANTHERA** (Orchidac.).  
bijiangensis *S.C. Chen* in *Acta Phytotax. Sin.*, 25(6): 472 (1987)—China.
- calcarata *S.C. Chen* & *K.Y. Lang* in *Acta Bot. Yunnanica*, 8(3): 271 (1986)—China.
- rubra  
f. alba *C. Raynaud*, *Orchid. Maroc*: 93 (1985), without type—Morocco.
- CEPHALANTHEROPSIS** (Orchidac.).  
halconensis (Ames) *S.S. Ying*, *Coloured Illustr. Fl. Taiwan*, 3: 622 (1988): *Phaius halconensis*.
- CEPHALARIA** (Dipsacac.).  
galpiniana  
subsp. simplicior *B.L. Burt* in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 366 (1986)—South Africa (Natal, Cape Province), Lesotho.
- squamiflora  
var. balearica (Cosson ex Willk.) *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 89 (1987 publ. 1988): *C. balearica*.
- var. ebusitana *O. de Bolòs* & *J. Vigo* in *Collect. Bot.*, 17(1): 89 (1987 publ. 1988)—Balearic Is.
- transcaucasica (Bohr.) *A.I. Galushko*, *Fl. Severn. Kavkaza*, 3: 130 (1980): *C. syriaca* subsp. *transcaucasica*.



**CEPHALARIA** :-

- uralensis  
subsp. multifida (Roman) N. Roman & A. Beldie in *Fl. Republ. Social. Român.*, 13: 50 (1976): C. uralensis var. multifida.

×**CEPHELEPIHYLLUM** R. Mottram, *Contrib. New Class. Cact. Fam.*: 26 (1990). CACTACEAE. (Cephalocereus × Epiphyllum).

**CEPHALOCROTON** (Euphorbiac.).

- incanus M.G. Gilbert in *Kew Bull.*, 42(2): 365 (1987)—Nigeria, Ethiopia.

**CEPHALODENDRON** (Rubiace.).

- aracuniensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 967 (1989)—Venezuela.

**CEPHALOPHILON** (Meisn.) É. Spach, *Hist. Nat. Vég.*, 10: 521 (1841): Polygonum sect.

- Cephalophilon (Polygonac.).  
runcinatum (Buch.-Ham. ex D. Don) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 26: 67 (1989): Polygonum runcinatum.  
capitatum (Buch.-Ham. ex D. Don) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987): Polygonum capitatum.  
nepalense (Meisn.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987): Polygonum nepalense.

**CEPHALOPHYLLUM** (Aizoac.).

- numeeseense H.E.K. Hartmann in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 172 (1988)—South Africa (Cape Province).  
parvibracteatum (L. Bolus) H.E.K. Hartmann in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 172 (1988): Cheiridopsis parvibracteata.  
parvulum (Schlechter) H.E.K. Hartmann in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 173 (1988): Mesembryanthemum parvulum.  
spissum H.E.K. Hartmann in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 176 (1988)—South Africa (Cape Province).  
tetrastichum H.E.K. Hartmann in *Mitt. Inst. Allg. Bot. Hamburg*, 22: 177 (1988)—South Africa (Cape Province).

**CEPHALORHIZUM** (Plumbaginac.).

- micranthum I.A. Linchevskii in *Fl. Tadzhikskoi SSR*, 8: 481, 38 (1986)—U.S.S.R. (Middle Asia).

**CEPHALOSTEMON** (Rapateac.).

- flavus (Link) J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(4): 1565 (1988 publ. 1989), without basionym ref.: Basionym not stated.  
junciformis (Mag.) J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(4): 1565 (1988 publ. 1989): Duckea junciformis.

**CEPHALOTAXUS** (Cephalotaxac.).

- fortunei  
var. lanceolata (Feng) J. Silba in *Phytologia*, 68(1): 27 (1990): C. lanceolata.

**CERASTIUM** (Caryophyllac.).

- alpinum  
var. squalidum (Ramond) Rico ex F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 600 (1987): C. squalidum.  
cerastoides  
var. lanceolocalyx Y. Hazit in *Claves Pl. Xinjiang*, 2: 239 (1982), without latin descr. or type—Xinjiang.  
dominici Kit Tan & R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 10: 70 (1988)—Turkey.  
durmitoreum (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 41 (1916–1920 publ. 1926): Cerastium lanigerum var. durmitoreum.  
nigrescens  
subsp. arcticum (Lange) P.S. Lusby in *Watsonia*, 16(3): 296 (1987): C. arcticum.  
pumilum  
var. glutinosum (Fries) E. Rico Hernández in *An. Jard. Bot. Madrid*, 44(2): 568 (1987): C. glutinosum.  
pusilloides Y. Hazit in *Claves Pl. Xinjiang*, 2: 241 (1982), without latin descr. or type—Xinjiang.

**CERASTIUM** :-

- ramosissimum  
f. carpetanum (Lomax) E. Rico Hernández in *An. Jard. Bot. Madrid*, 43(2): 470 (1986 publ. 1987): C. carpetanum.  
trigynum  
var. taiwanianum S.S. Ying, *Alp. Pl. Taiwan in Color*, 2: 174 (1978)—Taiwan.  
utriense G. Barberis in *Webbia*, 42(2): 154 (1988)—Italy.  
zhiguliensis S.V. Saksonov in *Bot. Zhurn.*, 75(8): 1168 (1990)—U.S.S.R. (European Russia).

**CERASUS** (Rosac.).

- subsect. Ceradellus G.V. Eremin & A.A. Yushev in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 119: 53 (1988), without latin descr. or type.  
sect. Ceraseidos (Sieb. & Zucc.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 67 (1986), without basionym ref.: Basionym not stated.  
sect. Lobopetalum (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 58 (1986) basionym descr. not on cited page: Prunus subsect. Lobopetalum.  
sect. Lobopetalum (Koehne) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 419 (1986), without basionym ref.: Basionym not stated.  
sect. Mahaleb (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 67 (1986): Prunus subsect. Mahaleb.  
sect. Phyllocerasus (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 52 (1986): Prunus subsect. Phyllocerasus.  
sect. Phyllomahaleb (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 46 (1986): Prunus subsect. Phyllomahaleb.  
sect. Pseudomahaleb (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 64 (1986): Prunus subsect. Pseudomahaleb.  
sect. Sargentella (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 73 (1986): Prunus subsect. Sargentella.  
sect. Serrula (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 76 (1986): Prunus subsect. Serrula.  
apetala (Sieb. & Zucc.) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 417 (1986): Ceraseidos apetala.  
campanulata (Maxim.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 78 (1986): Prunus campanulata.  
cantabrigiensis (Stapf) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 419 (1986): Prunus cantabrigiensis.  
caudata (Franch.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 68 (1986): Prunus caudata.  
cerasoides  
var. rubra (C. Ingram) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 79 (1986): Prunus cerasoides var. rubra.  
clarifolia (Schneid.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 54 (1986): Prunus clarifolia.  
conadenia (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 50 (1986): Prunus conadenia.  
concinna (Koehne ex Sargent) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 418 (1986): Prunus concinna.  
conradinae (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 76 (1986): Prunus conradinae.  
crataegifolius (Hand.-Mazz.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 71 (1986): Prunus crataegifolius.  
cyclamina (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 58 (1986): Prunus cyclamina.  
var. biflora (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 59 (1986): Prunus cyclamina var. biflora.  
dawycensis (Sealy) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 416 (1986): Prunus dawycensis.  
dielsiana (Schneid.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 59 (1986): Prunus dielsiana.  
var. abbreviata (Card.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 60 (1986): Prunus dielsiana var. abbreviata.  
duclouxii (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 63 (1986): Prunus duclouxii.

**CERASUS** :-

- duerinckii Mertens, *Hort. Leeuw.*, 1840; *Linnaea* 15, *Lit.*: 98 (?1841); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.  
glabra (Pamp.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 60 (1986): Prunus hirtipes var. glabra.  
hainanensis G.A. Fu & Y.S. Lin in *Guihaia*, 8(2): 133 (1988)—Hainan.  
henryi (Schneid.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 64 (1986): Prunus yunnanensis var. henryi.  
hirtipes (Hemsl. ex Forb. & Hemsl.) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 418 (1986): Prunus hirtipes.  
japonica  
var. nakaii (Lévl.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 86 (1986): Prunus nakaii.  
jenkinsii (J.D. Hook.) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 421 (1986): Prunus jenkinsii.  
maackii (Rupr.) G.V. Eremin & V.S. Simagin in *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 166: 47 (1986): Prunus maackii.  
mugus (Hand.-Mazz.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 71 (1986): Prunus mugus.  
nipponica (Matsumura) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 417 (1986): Prunus nipponica.  
var. kurilensis (Miyabe) G.V. Eremin, A.A. Yushev & L.N. Novikova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 126: 61 (1989), without basionym ref.: Basionym not stated.  
patentipila (Hand.-Mazz.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 46 (1986): Prunus patentipila.  
pleiocerasus (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 51 (1986): Prunus pleiocerasus.  
pogonostyla (Maxim.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 81 (1986): Prunus pogonostyla.  
var. obovata (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 82 (1986): Prunus pogonostyla var. obovata.  
polytricha (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 56 (1986): Prunus polytricha.  
pseudocerasus (Lindl.) hort. in *Hort. Soc. Lond., Cat. Fr.*: 28 (1826); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Prunus pseudocerasus.  
pusilliflora (Card.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 66 (1986): Prunus pusilliflora.  
rufa (Hook. f.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 81 (1986): Prunus rufa.  
var. trichantha (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 81 (1986): Prunus trichantha.  
sargentii (Rehd.) G.V. Eremin, A.A. Yushev & L.N. Novikova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 126: 54 (1989), without basionym ref.: Basionym not stated.  
schneideriana (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 60 (1986): Prunus schneideriana.  
scopulorum (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 61 (1986): Prunus scopulorum.  
serrula (Franch.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 80 (1986): Prunus serrula.  
setulosa (Batal.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 67 (1986): Prunus setulosa.  
stipulacea (Maxim.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 68 (1986): Prunus stipulacea.  
subhirtella  
var. pendula (Tanaka) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 74 (1986): Prunus subhirtella var. pendula.  
susquehana (Willd.) hort. in *Hort. Soc. Lond., Cat. Fr.*: 29 (1826); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.  
szechuanica (Batal.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 49 (1986): Prunus szechuanica.  
tatsienensis (Batal.) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 52 (1986): Prunus tatsienensis.  
trichostoma (Koehne) T.T. Yü & C.L. Li in *Fl. Reipubl. Popul. Sin.*, 38: 69 (1986): Prunus trichostoma.



**CERASUS** :-

- virginica (*Michx.*) *hort. in Hort. Soc. Lond., Cat. Fr.*: 30 (1826); *cf. D.J. Mabberley in Taxon*, 33(3): 441 (1984): Basionym not stated.  
 yedoensis (*Matsum.*) *T.T. Yü & C.L. Li in Fl. Reipubl. Popul. Sin.*, 38: 74 (1986): *Prunus yedoensis*.  
 yunnanensis (*Franch.*) *T.T. Yü & C.L. Li in Fl. Reipubl. Popul. Sin.*, 38: 64 (1986): *Prunus yunnanensis*.  
*var. polybotrys* (*Koehne*) *T.T. Yü & C.L. Li in Fl. Reipubl. Popul. Sin.*, 38: 64 (1986): *Prunus yunnanensis* *var. polybotrys*.

**CERATOCAPNOS** (Papaverac.).

- turbinata (*DC.*) *M. Lidén in Op. Bot.*, 88: 38 (1986): *Fumaria turbinata*.

**CERATOCARYUM** (Restionac.).

- decipiens (*N.E. Br.*) *H.P. Linder in Bothalia*, 15(3-4): 479 (1985): *Willdenowia decipiens*.  
 fimbriatum (*Kunth*) *H.P. Linder in Bothalia*, 15(3-4): 479 (1985): *Willdenowia fimbriata*.  
 xerophilum (*Pillans*) *H.P. Linder in Bothalia*, 15(3-4): 480 (1985): *Willdenowia xerophila*.

**CERATOCENTRON** K. Senghas in *Orchidee*, 40(3):

- 89 (1989). *ORCHIDACEAE*.  
 fessellii K. Senghas in *Orchidee*, 40(3): 90 (1989)—Philippine Is.

**CERATOCHILUS** (Orchidac.).

- insignis (*Frost*) *Lindl. ex G. Don f. in Loud., Hort. Brit.*: 489 (1830) *et in Sweet, Hort. Brit.*, ed. 2: 490 (1830); *cf. D.J. Mabberley in Taxon*, 30(1): 15 (1981): *Stanhopea insignis*.

**CERATOIDES** (Chenopodiace.).

- lanata  
*var. ruinina* S.L. Welsh in *Great Basin Nat.*, 44(2): 196 (1984)—U.S.A. (Utah).

**CERATOPHYLLUM** (Ceratophyllac.).

- sect. *Muricatum* *D.H. Les in Syst. Bot.*, 14(2): 259 (1989).  
 sect. *Submersum* *D.H. Les in Syst. Bot.*, 14(2): 259 (1989).  
 muricatum  
*subsp. australe* (*Grisebach*) *D.H. Les in Syst. Bot.*, 13(1): 85 (1988): *C. australe*.  
*subsp. kossinskyi* (*Kuseneva-Prochorova*) *D.H. Les in Syst. Bot.*, 13(1): 85 (1988): *C. kossinskyi*.  
 platyacanthum  
*subsp. oryzetorum* (*V. Komarov*) *D.H. Les in Syst. Bot.*, 13(4): 517 (1988): *C. oryzetorum*.

**CERATOSTEMA** (Ericac.).

- fasciculatum *J.L. Luteyn in J. Arnold Arbor.*, 67(4): 491 (1986)—Ecuador.  
 ferreyrae *J.L. Luteyn in J. Arnold Arbor.*, 67(4): 487 (1986)—Peru.  
 nodosum *J.L. Luteyn in J. Arnold Arbor.*, 67(4): 489 (1986)—Ecuador.

**CERATOSTYLIS** (Orchidac.).

- anjasmorensis *J.F. Wood & J.B. Comber in Kew Bull.*, 41(3): 697 (1986)—Java.  
 tonkinensis (*Gagnep.*) *L.V. Aver'yanov in Bot. Zhurn.*, 73(1): 107 (1988): *Eria tonkinensis*.

**CERATOZAMIA** (Zamiac.).

- euryphyllidia *M. Vázquez Torres, S. Sabato & D.W. Stevenson in Brittonia*, 38(1): 17 (1986)—Mexico.

**CERCESTIS** (Arac.).

- camerunensis (*Niépe*) *J. Bogner in Aroideana*, 8(3): 73 (1985 publ. 1986): *Rhaptophyllum camerunense*.  
 mirabilis (*N.E. Br.*) *J. Bogner in Aroideana*, 8(3): 73 (1985 publ. 1986): *Rhaptophyllum mirabile*.

**CERCIS** (Legumin.).

- canadensis  
*var. orbiculata* (*Greene*) *R.C. Barneby in A. Cronquist et al., Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 208 (1989)—C. orbiculata.

**CERCOCARPUS** (Rosac.).

- ledifolius  
*var. intermontanus* *N.H. Holmgren in Brittonia*, 39(4): 424 (1987)—U.S.A. (Utah, Washington, Oregon, Wyoming, Colorado, Arizona, California, Idaho, Nevada).  
 mexicanus *J. Henrickson in Syst. Bot.*, 12(2): 293 (1987)—Mexico.  
 rzedowskii *J. Henrickson in Syst. Bot.*, 12(2): 296 (1987)—Mexico.

**×CEREPHYLLUM** R. Mottram, *Contrib. New Class.*

- Cact. Fam.: 26 (1990). *CACTACEAE*. (*Cereus* × *Epiphyllum*).

**CEREUS** (Cactac.).

- subgen. *Brasilicereus* (*Backeb.*) *P.J. Braun in Bradleya*, 6: 87 (1988): gen. *Brasilicereus*.  
 subgen. *Ebneria* (*Backeb.*) *D. Hunt in Bradleya*, 6: 100 (1988): *Monvillea* subgen. *Ebneria*.  
 adelmarii (*Rizzini & Mattos*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Monvillea adelmarii*.  
 alacriportanus  
*var. bageanus* (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus bageanus*.  
 alticostatus (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Monvillea alticostata*.  
 calcirupicola (*Ritt.*) *C.T. Rizzini in Rev. Brasil. Biol.*, 46(4): 782 (1986 publ. 1987): *Piptanthocereus calcirupicola*.  
*var. albicans* *C.T. Rizzini in Rev. Brasil. Biol.*, 46(4): 784 (1986 publ. 1987)—Brazil.  
*var. cabralensis* (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus cabralensis*.  
*var. cipoensis* (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus cipoensis*.  
*var. pluricostatus* (*Ritt.*) *C.T. Rizzini in Rev. Brasil. Biol.*, 46(4): 784 (1986 publ. 1987), without basionym page: *Piptanthocereus calcirupicola* *var. pluricostatus*.  
 campinensis (*Backeberg & Voll*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Pilocereus campinensis*.  
*var. piedadensis* (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Monvillea piedadensis*.  
 goiasensis (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus goiasensis*.  
 lanosus (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus lanosus*.  
 markgrafii (*Backeb. & Voll*) *P.J. Braun in Bradleya*, 6: 87 (1988): *Brasilicereus markgrafii*.  
 neonesioticus (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus neonesioticus*.  
*var. interior* (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus neonesioticus* *var. interior*.  
 phaeacanthus  
*var. breviflorus* (*Ritter*) *P.J. Braun in Bradleya*, 6: 87 (1988): *Brasilicereus breviflorus*.  
 saddianus (*Rizzini & Mattos*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Monvillea saddiana*.  
 sericifer (*Ritter*) *P.J. Braun in Bradleya*, 6: 86 (1988): *Piptanthocereus sericifer*.  
 speciosissimus (*Desf.*) *Sweet, Hort. Brit.*: 171 (1826); *cf. D.J. Mabberley in Taxon*, 30(1): 15 (1981): Basionym not stated.

**CERINTHE** (Boraginac.).

- glabra  
*subsp. longiflora* (*Viv.*) *M. Kerguelén in Lejeunia*, 120: 68 (1987): *C. longiflora*.  
*subsp. pirinica* (*Stoj. & Acht.*) *N. Andreev & D. Peev in Fl. Nar. Republ. Bulgariya*, 9: 136 (1989): *C. glabra* *var. pirinica*.

**CERIOPS** (Rhizophorac.).

- australis (*C.T. White*) *E.R. Ballment, T.J. Smith & J.A. Stoddart in Austral. Syst. Bot.*, 1(4): 395 (1988 publ. 1989): *C. tagal* *var. australis*.  
 decandra (*Griff.*) *W. Theobald in F. Mason, Burnah*, ed. 3, 2: 480 (1883); *cf. D.J. Mabberley in Taxon*, 34(1): 154 (1985): *Rhizophora decandra*.

**CEROPEGIA** (Asclepiadac.).

- arabica  
*var. abbreviata* *P.V. Bruyns in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 318 (1988 publ. 1989)—Yemen.

**CEROPEGIA** :-

- var. superba* (*Field & Collette*) *P.V. Bruyns in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 317 (1988 publ. 1989): *C. superba*.  
 aristolochioides  
*subsp. deflersiana* *P.V. Bruyns in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 296 (1988 publ. 1989)—Yemen.  
 barbigeria *P. Bruyns in Kew Bull.*, 44(4): 721 (1989)—Ethiopia, Somali Republic.  
 bossieri  
*var. razafindratsirana* *W. Rauh & G. Buchloh in Kakt. And. Sukk.*, 40(5): 124 (1989)—Madagascar.  
 candelabrum  
*var. tuberosa* (*Roxb.*) *N.P. Singh, Fl. East. Karnataka*, 1: 410 (1988): *C. tuberosa*.  
 dichotoma  
*subsp. krainzii* (*Sventenius*) *P. Bruyns in Beitr. Biol. Pfl.*, 60(3): 454 (1985 publ. 1986): *C. krainzii*.  
 foliosa *P.V. Bruyns in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 293 (1988 publ. 1989)—Yemen.  
 polunianiana *P. Bruyns in Kew Bull.*, 44(4): 723 (1989)—Nepal.  
 schajiesiorum *F. Malaisse in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 491 (1986), as 'schajiesorum'—Zaire.

**CERVARIA** (Umbellif.).

- caucasica (*M.B.*) *M.G. Pimenov in Fl. Iran.*, 162: 453 (1987): *Selinum caasicum*.  
 cervariifolia (*C.A. Mey.*) *M.G. Pimenov in Fl. Iran.*, 162: 452 (1987): *Peucedanum cervariifolium*.

**CESTRUM** (Solanac.).

- jimenezii *Alain H. Liogier in Phytologia*, 65(6): 421 (1989)—Hispaniola (Dominican Republic).  
 neblinense *W.G. D'Arcy in Ann. Missouri Bot. Gard.*, 77(1): 206 (1990)—Venezuela.

**CEUTHOSTOMA** L.A.S. Johnson in *Telopea*, 3(2):

- 133 (1988). *CASUARINACEAE*.  
 palawanense *L.A.S. Johnson in Telopea*, 3(2): 137 (1988)—Philippine Is.  
 terminale *L.A.S. Johnson in Telopea*, 3(2): 135 (1988)—Bornea (Sabah), New Guinea (W. Irian).

**CHABOISSAEA** (Gramin.).

- decumbens (*Swallen*) *J.R. & C.G. Reeder in Phytologia*, 65(2): 156 (1988): *Muhlenbergia decumbens*.  
 subbiflora (*A.S. Hitchcock*) *J.R. & C.G. Reeder in Phytologia*, 65(2): 156 (1988): *Muhlenbergia subbiflora*.

**CHAENORHINUM** (Scrophulariac.).

- sect. *Hueblia* (*Speta*) *D.A. Sutton, Revis. tribe Antirrhineae*: 127 (1988): gen. *Hueblia*.  
 sect. *Microrrhinum* (*Endl.*) *D.A. Sutton, Revis. tribe Antirrhineae*: 116 (1988): *Linaria* sect. *Microrrhinum*.  
 macropodium  
*var. degenii* (*Hervier*) *R. Figuerola, J.B. Peris & G. Stübing in An. Jard. Bot. Madrid*, 47(2): 511 (1989 publ. 1990): *C. robustum* *f. degenii*.  
 oranifolium  
*subsp. cotiellae* *P. Montserrat Recoder & G. Montserrat Martí in An. Jard. Bot. Madrid*, 43(1): 44 (1986)—Spain.  
 rubrifolium  
*subsp. gerense* (*Stapf*) *D.A. Sutton, Revis. tribe Antirrhineae*: 114 (1988): *Linaria gerensis*.  
 segoviense  
*subsp. semiglabrum* *J. Loidi & A. Galán-Mera in Candollea*, 43(1): 252 (1988)—Spain.  
 villosum  
*subsp. granatensis* (*Willk.*) *B. Valdés in Lagasalia*, 14(1): 94 (1986): *Linaria granatensis*.

**CHAEROPHYLLUM** (Umbellif.).

- aristatum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 288 (1784)—Japan.†  
 cyminum *Trev., Ind. Sem. Wratislav. App. III*: 1 (1821); *cf. D.J. Mabberley in Taxon*, 32(1): 84 (1983)—Locality not stated.  
 karsianum *Kit Tan & H. Ocakverdi in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 160 (1986)—Turkey.  
 scabrum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 289 (1784)—Japan.†

**CHAETANTHERA** (Compos.).

perpusilla (Wedd.) A.A. Anderberg & S.E. Freire in *Taxon*, 39(3): 431 (1990): *Luciliopsis* perpusilla.  
 ramosissima D. Don ex Taylor & Philips, *Phil. Mag. n.s.*, 11: 391 (May 1832); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.

**CHAETOCALYX** (Legumin.).

subulatus B.A. Mackinder in *Kew Bull.*, 45(3): 587 (1990)—Brazil.

**CHAETOCHLAMYS** (Acanthac.).

lilloi J.L. Lotti in *Publ. Espec. Inst. Lillo*, 1187: 63 (1976)—Argentina.

**CHAETOPAPPA** (Compos.).

ericoides (Torrey) G.L. Nesom in *Phytologia*, 64(6): 449 (1988): *Inula?* ericoides.  
 imberbis (A. Gray) G.L. Nesom in *Phytologia*, 64(6): 449 (1988): *C. asteroides* var. *imberbis*.

**CHAETOTHYLAX** (Acanthac.).

rzedowskii S. Acosta Castellanos in *Acta Bot. Mex.*, 5: 5 (1989)—Mexico.

**CHAMAEANTHUS** (Orchidac.).

brigitiae N. Hallé in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 228 (1986)—New Caledonia.  
 florentiae N. Hallé in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 227 (1986)—New Caledonia.

**CHAMAECRISTA** (Legumin.).

africana (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 335 (1988): *Cassia mimosoides* var. *africana*.  
 axilliflora H.S. Irwin & R.C. Barneby in *Brittonia*, 39(1): 7 (1987)—Brazil.  
 biensis (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 335 (1988): *Cassia katangensis* var. *biensis*.  
 bissei A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 889 (1990)—Cuba.  
 comosa  
   var. *capricornia* (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia comosa* var. *capricornia*.  
 cupeyalensis A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 890 (1990)—Cuba.  
 desvauxii  
   var. *latistipula* (Benth.) G.P. Lewis, *Legumes of Bahia*: 77 (1987): *Cassia latistipula*.  
 dimidiata (Roxb.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Senna dimidiata*.  
 duboisii (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia duboisii*.  
 dunensis M. Thulin in *Nordic J. Bot.*, 8(5): 457 (1989)—Somali Republic.  
 exilis (Vatke) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia exilis*.  
 falcifoliolata A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 891 (1990)—Cuba.  
 falcinella (Oliver) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia falcinella*.  
   var. *intermedia* (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia falcinella* var. *intermedia*.  
   var. *parviflora* (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia falcinella* var. *parviflora*.  
 fallacina (Chiov.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia fallacina*.  
 fasciculata  
   var. *depressa* (Pollard) C.F. Reed in *Phytologia*, 63(5): 410 (1987): *Cassia depressa*.  
   var. *macrosperma* (Fern.) C.F. Reed in *Phytologia*, 63(5): 410 (1987): *Cassia fasciculata* var. *macrosperma*.  
 fenarolii (Mendonça & Torre) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia fenarolii*.  
 garambiensis (Hosokawa) H. Ohashi, Y. Tateishi & T. Nemoto in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(3): 202 (1988): *Cassia garambiensis*.  
 ghesquiereana (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia ghesquiereana*.  
 gracilior (Ghesq.) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia fallacina* var. *gracilior*.  
 guanensis A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 892 (1990)—Cuba.

**CHAMAECRISTA** :-

gumminans H.S. Irwin & R.C. Barneby in *Brittonia*, 39(1): 9 (1987)—Brazil.  
 hildebrandtii (Vatke) J.M. Lock in *Kew Bull.*, 43(2): 336 (1988): *Cassia hildebrandtii*.  
 huillensis (Mendonça & Torre) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia huillensis*.  
 jaegeri (Keay) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia jaegeri*.  
 kalulensis (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia kalulensis*.  
 katangensis (Ghesq.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia fallacina* var. *katangensis*.  
   var. *nuda* (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia katangensis* var. *nuda*.  
 kirkii  
   var. *glabra* (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia kirkii* var. *glabra*.  
   var. *guineensis* (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia kirkii* var. *guineensis*.  
 marianensis A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 893 (1990)—Cuba.  
 meelii (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia meelii*.  
 newtonii (Mendonça & Torre) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia newtonii*.  
 nictitans  
   var. *hebecarpa* (Fern.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *Cassia nictitans* var. *hebecarpa*.  
   var. *leiocarpa* (Fern.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *Cassia nictitans* var. *leiocarpa*.  
   var. *leptadenia* (Greenman) K.N. Gandhi & S.L. Hatch in *Sida*, 13(1): 123 (1988): *Cassia leptadenia*.  
 nomame (Sieb.) H. Ohashi in *J. Jap. Bot.*, 64(7): 215 (1989): *Sooya nomame*.  
 paralias (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia paralias*.  
 parva (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia parva*.  
 plumosa  
   var. *erecta* (Schorn & Gordon-Gray) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia plumosa* var. *erecta*.  
 polytricha (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 337 (1988): *Cassia polytricha*.  
   var. *pauciflora* (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia polytricha* var. *pauciflora*.  
   var. *pulchella* (Brenan) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia polytricha* var. *pulchella*.  
 puccioniana (Chiov.) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia puccioniana*.  
 ramosa  
   var. *curvifolia* (Vog.) G.P. Lewis, *Legumes of Bahia*: 84 (1987): *Cassia curvifolia*.  
 robynsiana (Ghesq.) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia robynsiana*.  
 schmitzii (Steud.) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia schmitzii*.  
 takhtajanii A. Barreto & G.P. Yakovlev in *Bot. Zhurn.*, 75(6): 888 (1990)—Cuba.  
 telfairiana (Hook. f.) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia mimosoides* var. *telfairiana*.  
 wittei (Ghesq.) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia wittei*.  
 zambesica (Oliver) J.M. Lock in *Kew Bull.*, 43(2): 338 (1988): *Cassia zambesica*.

**CHAMAECYTISUS** (Legumin.).

aggregatus (Schur.) N. Diklić in *Fl. SR Srbije*, 10: 119 (1986): *Cytisus aggregatus*.  
 ×czerniaeii (V. Krecz.) N.N. Tsvetlev in *Fl. Evropejskoj Chasti SSSR*, 6: 223 (1987): *Cytisus* × *czerniaeii*.  
 glaber  
   var. *elongatus* (Waldst. & Kit.) N.N. Tsvetlev in *Fl. Evropejskoj Chasti SSSR*, 6: 220 (1987): *Cytisus elongatus*.  
 hirsutus  
   subsp. *ciliatus* (Wahlenb.) A. Strid in *A. Strid (ed.), Mount. Fl. Greece*, 1: 449 (1986): *Cytisus ciliatus*.  
 mollis (Cav.) W. Greuter & Burdet in *Willdenowia*, 19(1): 31 (1989): *Spartium molle*.

**CHAMAECYTISUS** :-

ruthenicus  
   var. *syreiszczikovii* (V. Krecz.) N.N. Tsvetlev in *Fl. Evropejskoj Chasti SSSR*, 6: 222 (1987): *Cytisus syreiszczikovii*.  
 triflorus (Lam.) A. Skalická in *Preslia*, 58(1): 23 (1986): *Cytisus triflorus*.  
   subsp. *leucotrichus* (Schur.) J. Holub in *Fl. Slovenska*, 4(4): 35 (1988): *Cytisus leucotrichus*.  
   subsp. *pumilus* (De Not.) W. Greuter & Burdet in *Willdenowia*, 16(2): 441 (1987): *Cytisus pumilus*.

**CHAMAEOREA** (Palmae).

castillo-montii D.R. Hodel in *Phytologia*, 68(5): 397 (1990)—Guatemala.  
 correae D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 125 (1990)—Panama.  
 foveata D.R. Hodel in *Phytologia*, 68(5): 403 (1990)—Mexico.  
 guntheriana D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 126 (1990)—Panama.  
 latisecta (H. Moore) A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 163 (1986): *Morenia latisecta*.  
 macroloba G. Galeano-Garcés in *Brittonia*, 38(1): 60 (1986)—Colombia.  
 megaphylla A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 163 (1986)—Peru.  
 murriensis G. Galeano-Garcés in *Principes*, 31(3): 143 (1987), nom. nov.: *C. macroloba Galeano-Garcés*.  
 palmeriana D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 122 (1990)—Panama, Costa Rica.  
 pedunculata D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 131 (1990)—Costa Rica.  
 poeppigiana (Mart.) A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 162 (1986): *Morenia poeppigiana*.  
 queroana D.R. Hodel in *Phytologia*, 68(5): 406 (1990)—Mexico.  
 rhizomatosa D.R. Hodel in *Phytologia*, 68(5): 401 (1990)—Mexico.  
 robertii D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 120 (1990)—Panama, Costa Rica.  
 smithii A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 164 (1986)—Peru.  
 sullivaniorum D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 128 (1990)—Panama, Costa Rica.  
 undulatifolia D.R. Hodel & N.W. Uhl in *Principes*, 34(3): 116 (1990)—Costa Rica.  
 verapazensis D.R. Hodel & J.J. Castillo Mont in *Phytologia*, 68(5): 390 (1990)—Guatemala.  
 vistae D.R. Hodel & N.W. Uhl in *Principes*, 34(2): 58 (1990)—Mexico.  
 volcanensis D.R. Hodel & J.J. Castillo Mont in *Phytologia*, 68(5): 393 (1990)—Guatemala.  
 whitelockiana D.R. Hodel & N.W. Uhl in *Principes*, 34(2): 61 (1990)—Mexico.

**CHAMAEALUCIUM** (Myrtac.).

marchantii A. Strid in *Pl. Syst. Evol.*, 155(1-4): 341 (1987)—Australia (W. Australia).

**CHAMAELEON** (Compos.).

macrophyllus (Desf.) D. Petit in *Bull. Soc. Bot. France, Lett. Bot.*, 134(2): 179 (1987): *Atractylis macrophylla*.  
   var. *incanus* (Maire) D.P. Petit in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(4): 414 (1987 publ. 1988): *Atractylis macrophylla* var. *incana*.

**CHAMAEMELUM** (Compos.).

sect. *Santolinopsis* C. Benedi González in *Candollea*, 43(1): 124 (1988).  
 eriolepis (Cosson ex Maire) C. Benedi in *Fontqueria*, 10: 1 (1986): *Ormenis eriolepis*.  
 flahaultii (Emberger) C. Benedi González in *Candollea*, 43(1): 126 (1988): *Ormenis flahaultii*.  
 fuscatum  
   f. *minor* (Hoffmanns. & Link) C. Benedi González in *Collect. Bot.*, 17(1): 61 (1987 publ. 1988): *Anthemis fuscata* var. *minor*.  
 mixtum  
   var. *aureum* (Durieu) C. Benedi in *Fontqueria*, 10: 3 (1986): *Ormenis aurea*.  
   var. *glabrescens* (Maire) C. Benedi in *Fontqueria*, 10: 3 (1986): *Ormenis mixta* var. *glabrescens*.

**CHAMAEMELUM** :—

- nobile  
f. discoideum (Boiss. ex Willk.) C. Benedí González in *Collect. Bot.*, 17(1): 59 (1987 publ. 1988): Ormenis nobilis var. discoidea.  
scariosum (Ball) C. Benedí González in *Candollea*, 43(1): 126 (1988): Santolina scariosa.

**CHAMAEROPS** (Palmae).

- excelsa C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 984 (1784)—Japan.†

**CHAMAESCILLA** (Anthericac.).

- corymbosa  
var. latifolia (F. Muell.) R.J.F. Henderson in *Fl. Australia*, 45: 473 (1987): Caesia spiralis var. latifolia.  
var. paradoxa (Endl.) R.J.F. Henderson in *Fl. Australia*, 45: 473 (1987): Caesia paradoxa.

**CHAMAESPARTIUM** (Legumin.).

- sagittale  
subsp. delphinense (Verlot) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*: 461 (1984): Genista delphinensis.

**CHAMAESYCE** (Euphorbiac.).

- subsect. Gymnadeniae (Boiss.) D.L. Koutnik in *Allertonia*, 4(6): 338 (1987): Euphorbia subsect. Gymnadeniae.  
anthonyi (T.S. Brandegees) G.A. Levin in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 34 (1989): Euphorbia anthonyi.  
erythroclada (Bois.) K. Seshagiri Rao & M.N.V. Prasad in *Pl. Syst. Evol.*, 160(3–4): 192 (1988): Euphorbia erythroclada.  
fimbriata  
subsp. burmanica (Panigrahi) K.S. Rao & M.N.V. Prasad in *Taxon*, 36(4): 762 (1987): Euphorbia laciniata subsp. burmanica.  
herbstii W.L. Wagner in *Bishop Mus. Occas. Pap.*, 28: 75 (1988)—Hawaiian Is.  
linearifolia  
var. nallamalayana (Ellis) K.S. Rao & M.N.V. Prasad in *Taxon*, 36(4): 762 (1987): Euphorbia linearifolia var. nallamalayana.  
taihsiensis S.M. Chaw & D.L. Koutnik in *Bot. Bull. Acad. Sin.*, n.s., 31(2): 163 (1990)—Taiwan.

**CHAMISSOA** (Amaranthac.).

- margaritacea (L.) Schouw. *Forteg. Kjöb. Bot. Hav. Pl.*: 123 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984): Basionym not stated.  
stricta (Hornem.) Schouw. *Forteg. Kjöb. Bot. Hav. Pl.*: 123 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984): Celosia stricta.

**CHAMOMILLA** (Compos.).

- pubescens (Desf.) S.A. Alavi in *Fl. Libya*, 107: 150 (1983): Crotula pubescens.

**CHAPTALIA** (Compos.).

- callacallensis J. Cuatrecasas in *Fontqueria*, 8: 14 (1985); et in *Fontqueria*, 9: 5 (1985)—Peru.

✕**CHARLIEARA** hort. in *Orchid Rev.*, 98(1166): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (Rhynchostylis × Vanda × Vandopsis).

**CHASALIA** (Rubiace.).

- longifolia (Dalz.) K.M. Wong in *Tree Fl. Malaya*, 4: 344 (1989): Psychotria longifolia.

**CHASCANUM** (Verbenac.).

- moldenkei (Gillett) Sebsebe Demissew & B. Verdcourt in *Kew Bull.*, 43(3): 521 (1988): Svensonia moldenkei.  
obovatum Sebsebe Demissew in *Nordic J. Bot.*, 8(6): 629 (1989)—Ethiopia, Kenya.  
subsp. glaucum Sebsebe Demissew in *Kew Bull.*, 45(1): 139 (1990)—South Yemen, Somali Republic.  
sulcatum Sebsebe Demissew in *Nordic J. Bot.*, 8(6): 627 (1989)—Ethiopia, Somali Republic.  
yemenense Sebsebe Demissew in *Kew Bull.*, 45(1): 137 (1990)—South Yemen.

**CHASCOLYTRUM** (Gramin.).

- nutans Lindl. & Nees in *Nees, Del. Sem. Hort. Bot. Vratislav.*, 1840; *Limnaea* 15, Lit.: 125 (?1841); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**CHASMANTHIUM** (Gramin.).

- laxum  
subsp. sessiliflorum (Poir.) L.G. Clark in *Ann. Missouri Bot. Gard.*, 77(3): 601 (1990): Uniola sessiliflora.

**CHASSALIA** (Rubiace.).

- longiloba A. Borhidi & B. Verdcourt in *Kew Bull.*, 45(4): 709 (1990)—Tanzania.

**CHAUBARDIA** (Orchidac.).

- heteroclita (Poepp. & Endl.) C.H. Dodson & D.E. Bennett in *lc. Pl. Trop.*, Ser. 2, 1: t. 23 (1989): Maxillaria heteroclita.

**CHAUBARDIELLA** (Orchidac.).

- hirtzii C.H. Dodson in *lc. Pl. Trop.*, Ser. 2, 5: t. 412 (1989)—Ecuador.  
pacuarensis R. Jenny in *Orchidee*, 40(3): 91 (1989)—Costa Rica.

**HAZALIELLA** (Rubiace.).

- letouzeyi E. Robbrecht in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 344 (1989 publ. 1990)—Cameroun, Gabon.

**CHEILOTHECA** (Ericac.).

- humilis  
var. pubescens (K.F. Wu) C. Ling in *Fl. Zhejiang*, 5: 5 (1989): Monotropastrum pubescens.

**CHEIRANTHUS** (Crucif.).

- pallens (Pers.) Hornem., *Hort. Hafn., Suppl.*: 73 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984): Basionym not stated.

**CHEIRODENDRON** (Araliac.).

- bastardianum (Decaisne) D.G. Frodin in *Pac. Sci.*, 44(3): 270 (1990): Aralia bastardiana.  
forbesii (Sherff) P.P. Lowry in *Pac. Sci.*, 40(1–4): 80 (1986 publ. 1987): C. kauaiense var. forbesii.  
platyphyllum  
subsp. kauaiense (Krajina) P.P. Lowry in *Pac. Sci.*, 40(1–4): 81 (1986 publ. 1987): C. kauaiense.  
trigynum  
subsp. helleri (Sherff) P.P. Lowry in *Pac. Sci.*, 40(1–4): 81 (1986 publ. 1987): C. helleri.

**CHEIROLOPHUS** (Compos.).

- mauritanicus (Font Quer) A. Susanna de la Serna in *Fontqueria*, 14: 15 (1988): Centaurea sempervirens var. mauritanica.

**CHEIROSTYLIS** (Orchidac.).

- munnacampensis A. Nageswara Rao in *Nordic J. Bot.*, 8(4): 340 (1988)—India.  
seidenfadeniana C. Sathish Kumar & F.N. Rasmussen in *Nordic J. Bot.*, 7(4): 409 (1987)—India.  
sessanica A. Nageswara Rao in *Nordic J. Bot.*, 8(4): 339 (1988)—India.

**CHELIDONIUM** (Papaverac.).

- japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 489 (1784)—Japan.†

**CHELONANTHUS** (Gentianac.).

- fruticosus B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 42 (1989), nom. nov.: Lisianthus arboreus Spruce ex Progel.

**CHELONE** (Scrophulariac.).

- formosa Thompson, *Bot. Displ.*, t. 4 (1798); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.  
laevigata Thompson, *Bot. Displ.*, sub t. 4 (1798); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.  
pubescens (Soland.) Parmentier, *Cat. Pl. Enghien*: 18 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): Basionym not stated.

**CHELYOCARPUS** (Palmae).

- repens F. Kahn & K. Mejia in *Principes*, 32(2): 69 (1988)—Peru.

**CHENOPODIUM** (Chenopodiace.).

- sect. Acuminata Aell. & Iljin ex M.S. Ignatov in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 3: 18 (1988).  
subgen. Ambrina (Spach) M.S. Ignatov in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 3: 18 (1988): gen. Ambrina.  
subgen. Blitum (L.) M.S. Ignatov in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 3: 22 (1988): gen. Blitum.  
sect. Glaucia M.S. Ignatov in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 3: 22 (1988).  
acerifolium  
f. morarii (Prodan) F. Dvořák in *Feddes Repert.*, 98(11–12): 567 (1987): C. album f. morarii.  
album  
subf. corymbosodentatum K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 21 (1989), as 'corymboso-dentatum'—Cultivation.  
subf. corymbosolanceolatum K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 22 (1989), as 'corymboso-lanceolatum'—Cultivation.  
subvar. cymigerum (Koch) K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 20 (1989), as subvar. nov.: C. album var. cymigerum.  
f. cymigerum (Koch) K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 20 (1989), as '(A. Ludwig)' C. album var. cymigerum.  
subf. cymigerum (Koch) K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 20 (1989), as subf. nov.: C. album var. cymigerum.  
f. dubium K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 22 (1989)—Cultivation.  
subf. dubium K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 23 (1989)—Cultivation.  
f. glomerulosum (Rchb.) K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 18 (1989), as 'glomeruloseum (A. Ludwig)' C. glomerulosum.  
subf. glomerulosum (Rchb.) K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 19 (1989), as subf. nov.: C. glomerulosum.  
subf. medium K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 17 (1989)—Cultivation.  
subf. ovalifolium K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 23 (1989)—Cultivation.  
subf. paucidens K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 19 (1989)—Cultivation.  
subf. thyrsoides K. Arlt & B. Jüttersonke in *Feddes Repert.*, 100(1–2): 18 (1989)—Cultivation.  
amurense M.S. Ignatov in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 91(3): 111 (1986)—U.S.S.R. (Soviet Far East).  
capitatum  
var. parvicapitatum S.L. Welsh in *Great Basin Nat.*, 44(2): 199 (1984)—U.S.A. (Utah, Colorado, California, Nevada), Canada (British Columbia, Saskatchewan).  
✕dadakovae F. Dvořák in *Feddes Repert.*, 97(11–12): 793 (1986)—Czechoslovakia. (C. strictum × sueticum).  
dunusum L.E. Simón in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 407 (1988 publ. 1989)—Brazil, Argentina.  
eustriatum F. Dvořák in *Feddes Repert.*, 100(5–6): 202 (1989)—Czechoslovakia.  
✕fallax (Aellen) F. Dvořák in *Feddes Repert.*, 97(11–12): 793 (1986): C. album subsp. fallax. (C. album × strictum × sueticum).  
f. mirabile F. Dvořák in *Feddes Repert.*, 97(11–12): 798 (1986), as 'mirabilis'—Czechoslovakia.  
f. procerum F. Dvořák in *Feddes Repert.*, 97(11–12): 797 (1986), as 'procera'—Czechoslovakia.  
ficifolium  
var. albovenosum F. Dvořák in *Feddes Repert.*, 100(9–10): 467 (1989)—Czechoslovakia.  
var. rubescens (Aellen) F. Dvořák in *Feddes Repert.*, 100(9–10): 463 (1989): C. ficifolium f. rubescens.  
var. subcymosum (Aellen) F. Dvořák in *Feddes Repert.*, 100(9–10): 465 (1989): C. ficifolium f. subcymosum.

**CHENOPODIUM**:-

- foliosum  
var. *exsuccum* (Loscov) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 770 (1990): Blitum  
exsuccum.  
×humiliforme (J. Murr) F. Dvořák in *Feddes Repert.*, 97(11-12): 783 (1986): C. ficifolium var.  
humiliforme. (C. album × ficifolium × strictum).  
×jedlickae F. Dvořák in *Feddes Repert.*, 97(11-12): 780 (1986)—Czechoslovakia. (C. album × ficifolium × opulifolium).  
×jehlikii F. Dvořák in *Feddes Repert.*, 97(11-12): 787 (1986)—Czechoslovakia. (C. ficifolium × opulifolium).  
leptophyllum (Mog.) B.D. Jackson in *Index Kewensis*, 1: 513 (1753-1885 publ. 1893): C. album var.  
leptophyllum.  
lobatum (Prodan) F. Dvořák in *Feddes Repert.*, 98(11-12): 571 (1987): C. album subsp. lobatum.  
×mendelii F. Dvořák in *Feddes Repert.*, 101(7-8): 367 (1990)—Czechoslovakia. (C. diversifolium × pseudostriatum).  
neomexicanum  
var. *palmeri* (Standley) T.W. Walters in *Amer. J. Bot.*, 75(1): 104 (1988): C. palmeri.  
×podperae F. Dvořák in *Feddes Repert.*, 97(11-12): 790 (1986)—Czechoslovakia. (C. diversifolium × striatiforme).  
pseudoborbasii  
f. *aellenii* F. Dvořák in *Feddes Repert.*, 97(11-12): 815 (1986)—Czechoslovakia.  
f. *albiforme* F. Dvořák in *Feddes Repert.*, 97(11-12): 815 (1986)—Czechoslovakia.  
f. *borbasiiforme* F. Dvořák in *Feddes Repert.*, 97(11-12): 816 (1986), as 'borbasiiformis'—Czechoslovakia.  
f. *longipedicellatum* F. Dvořák in *Feddes Repert.*, 97(11-12): 815 (1986), as 'longipedicellata'—Czechoslovakia.  
f. *ramosum* F. Dvořák in *Feddes Repert.*, 97(11-12): 815 (1986), as 'ramosa'—Czechoslovakia.  
×pseudostriatum  
nothovar. *erosum* (J. Murr) F. Dvořák in *Biología, A (Czechoslovakia)*, 39(1): 68 (1984): C. striatum  
f. *erosum*.  
×rhombicum (J. Murr) F. Dvořák in *Feddes Repert.*, 97(11-12): 821 (1986): C. vulvaria var.  
rhombicum.  
×smardae F. Dvořák in *Feddes Repert.*, 97(11-12): 787 (1986)—Czechoslovakia. (C. album × ficifolium × sueticum).  
striatum  
f. *purpureogriseum* F. Dvořák in *Feddes Repert.*, 100(5-6): 209 (1989), as 'purpureo-griseum'—Czechoslovakia.  
strictum  
f. *atroviridiolivaceum* F. Dvořák in *Feddes Repert.*, 100(5-6): 221 (1989), as 'atro-viridiolivaceum'—Czechoslovakia.  
×tkalcisii H. Melzer in *Ber. Bayer. Bot. Ges.*, 58: 75 (1987)—Italy. (C. bonus-henricus × foliosum).  
×unarii F. Dvořák in *Feddes Repert.*, 97(11-12): 824 (1986), as 'unari'—Czechoslovakia. (C. album × opulifolium × pedunculare × sueticum).

**CHESNEYA** (Legumin.).

- antoninae M.R. Rasulova & B.A. Sharipova in *Dokl. Akad. Nauk Tadzh. SSR*, 23(8): 461 (1980)—U.S.S.R. (Middle Asia).  
latefoliolatus M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(116): 71 (1989)—U.S.S.R. (Middle Asia).

**CHEVALIERA** Gaudichaud ex J.G. Beer, Fam.

- Bromel.: 22, 150, 257 (1856). **BROMELIACEAE**.  
cariocae (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 77 (1989): Aechmea cariocae.  
castanea (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 77 (1989): Aechmea castanea.  
conifera (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 77 (1989): Aechmea conifera.  
depressa (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea depressa.  
digitata (L.B. Smith & R.W. Read) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea digitata.  
fernandae (E. Morren) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Bromelia fernandae.

**CHEVALIERA**:-

- hostilis (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea hostilis.  
itapoana (Till & Morawetz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea itapoana.  
lateralis (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea lateralis.  
leucolepis (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea leucolepis.  
magdalenae  
var. *quadricolor* (M.B. Foster) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea magdalenae var. quadricolor.  
microcephala (E. Pereira & Leme) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea microcephala.  
multiflora (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea multiflora.  
muricata (Arruda da Camara) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Bromelia muricata.  
ornata Gaudichaud ex J.G. Beer, *Fam. Bromel.*: 150 (1856)—Locality not stated.  
pallida (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea pallida.  
perforata (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea perforata.  
rodriguesiana (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Gravisia rodriguesiana.  
rubiginosa (Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea rubiginosa.  
saxicola (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea saxicola.  
sphaerocephala Gaudichaud ex J.G. Beer, *Fam. Bromel.*: 150 (1856)—Locality not stated.  
sphaerocephala (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989), later homonym of Gaudichaud ex J.G. Beer, *Fam. Bromel.*: 150 (1856): Aechmea sphaerocephala.  
strobilacea (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 78 (1989): Aechmea strobilacea.  
tayoensis (Gilmartin) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 79 (1989): Aechmea tayoensis.

**CHIANGIODENDRON** T. Wendt in *Syst. Bot.*, 13(3): 435 (1988). **FLACOURTIACEAE**.

- mexicanum T. Wendt in *Syst. Bot.*, 13(3): 435 (1988)—Mexico.

**CHIGUA** D.W. Stevenson in *Mem. New York Bot. Gard.*, 57: 170 (1990). **ZAMIACEAE**.

- bernalii D.W. Stevenson in *Mem. New York Bot. Gard.*, 57: 170 (1990)—Colombia.  
restrepoi D.W. Stevenson in *Mem. New York Bot. Gard.*, 57: 170 (1990)—Colombia.

**CHILENIA** (Cactac.).

- nigrihorrida Backeberg ex A.W. Hill in *Index Kewensis*, Suppl. 9: 62 (1931-35 publ. 1938)—Chile.

**CHILOCARPUS** (Apocynac.).

- sunainaianus S.N. Yoganarasimhan in *Curr. Sci.*, 51(18): 902 (1982)—Nicobar Is.

**CHIOGLOTTIS** (Orchidac.).

- sylvestris D.L. Jones & M.A. Clements in *Proc. Roy. Soc. Queensl.*, 98: 123 (1987)—Australia (Queensland).  
truncata D.L. Jones & M.A. Clements in *Proc. Roy. Soc. Queensl.*, 98: 124 (1987)—Australia (Queensland).

**CHIOLOPSIS** (Bignoniac.).

- linearis  
subsp. *arcuata* (Fosberg) J. Henrickson in *Aliso*, 11(2): 194 (1985 publ. 1986): C. linearis var. arcuata.  
var. *tomenticaulis* J. Henrickson in *Aliso*, 11(2): 191 (1985 publ. 1986)—Mexico.

**CHILOSCHISTA** (Orchidac.).

- extinctoriformis G. Seidenfaden in *Op. Bot.*, 95: 178 (1988)—Thailand.  
parishii G. Seidenfaden in *Op. Bot.*, 95: 176 (1988)—Burma, Thailand, Nepal, Sikkim, Bhutan, India.

**CHILOSCHISTA**:-

- ramifera G. Seidenfaden in *Op. Bot.*, 95: 179 (1988)—Thailand.  
trudeli G. Seidenfaden in *Orchidee*, 38(6): 310 (1987)—Thailand.  
viridiflora G. Seidenfaden in *Op. Bot.*, 95: 175 (1988)—Thailand.

**CHIMAPHILA** (Ericac.).

- umbellata  
subsp. *domingensis* (S.F. Blake) L.J. Dorr in *Sida*, 11(4): 370 (1986): C. domingensis.

**CHIMEROPHORA** Y. Ito, *The Cactaceae*: 658 (1981), stated type name not validly publ. **CACTACEAE**. †**CHIMONANTHUS** (Calycanthac.).

- caespitosus T.B. Chao, Z.X. Chen & Z.Q. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 47 (1989)—China.

**CHIMONOBAMBUSA** (Gramin.).

- sect. *Oreocalamus* (Keng) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 11 (1990): gen. *Oreocalamus*.  
sect. *Qiongzhuea* (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 12 (1990): gen. *Qiongzhuea*.  
subgen. *Quadrangulares* C.J. Hsueh & W.P. Zhang in *Bamboo Res.*, 1988(3): 8 (1988).  
armata  
f. *tuberculata* (Hsueh & L.Z. Gao) T.H. Wen in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 15 (1990): C. tuberculata.  
brevinoda C.J. Hsueh & W.P. Zhang in *J. Bamboo Res.*, 7(1): 14 (1988)—China.  
communis (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 16 (1990): *Qiongzhuea communis*.  
damingshanensis C.J. Hsueh & W.P. Zhang in *Bamboo Res.*, 1988(3): 5 (1988)—China.  
grandifolia C.J. Hsueh & W.P. Zhang in *J. Bamboo Res.*, 7(1): 17 (1988)—China.  
lactistriata W.D. Li & Q.X. Wu in *J. Bamboo Res.*, 4(1): 46 (1985)—China.  
linearifolia W.D. Li & Q.X. Wu in *J. Bamboo Res.*, 4(1): 47 (1985)—China.  
luzhiensis (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 20 (1990): *Qiongzhuea luzhiensis*.  
macrophylla (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 21 (1990): *Qiongzhuea macrophylla*.  
f. *intermedia* (Hsueh & D.Z. Li) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 21 (1990): *Qiongzhuea intermedia*.  
f. *leiboensis* (Hsueh & D.Z. Li) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 21 (1990): *Qiongzhuea macrophylla* f. *leiboensis*.  
maculata (Wen) T.H. Wen in *J. Bamboo Res.*, 7(1): 31 (1988): *Qiongzhuea maculata*.  
neopurpurea T.P. Yi in *J. Bamboo Res.*, 8(3): 22 (1989), as 'nom. nov.'—China.  
ningnanica J.R. Xue & L.Z. Gao in *J. Bamboo Res.*, 6(2): 13 (1987)—China.  
opienensis (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 30 (1990): *Qiongzhuea opienensis*.  
paucispinosa T.P. Yi in *J. Bamboo Res.*, 9(3): 24 (1990)—China.  
puberula (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 32 (1990): *Qiongzhuea puberula*.  
pubescens T.H. Wen in *J. Bamboo Res.*, 5(2): 20 (1986)—China.  
quadrangularis  
f. *purpureiculma* T.H. Wen in *J. Bamboo Res.*, 8(1): 24 (1989)—China.



**CHIMONOBAMBUSA** :-

- recurva T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 63 (1988)—China.  
 rigidula (Hsueh & Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 42 (1990); Qiongzhueta rigidula.  
 rivularis T.P. Yi in *J. Bamboo Res.*, 8(3): 18 (1989)—China.  
 sichuanensis (Yi) T.H. Wen in *J. Bamboo Res.*, 6(3): 33 (1987); Sinobambusa sichuanensis.  
 szechuanensis  
   *f. flexuosa* (Hsueh & C. Li) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 44 (1990); C. szechuanensis var. flexuosa.  
 tuberculata J.R. Xue & L.Z. Gao in *J. Bamboo Res.*, 6(2): 11 (1987)—China.  
 tumidissinoda D. Ohrnberger, *Bamboos of the World: gen. Chimonobambusa*: 45 (1990), as 'nom. nov.'—China.  
 unifolia (Yi) T.H. Wen in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 46 (1990); Qiongzhueta unifolia.  
 verruculosa (Yi) T.H. Wen & D. Ohrnberger in *D. Ohrnberger, Bamboos of the World: gen. Chimonobambusa*: 47 (1990); Qiongzhueta verruculosa.  
 yunnanensis C.J. Hsueh & W.P. Zhang in *J. Bamboo Res.*, 7(1): 19 (1988)—China.

**CHIONANTHUS** (Oleac.).

- bumelioides  
   var. lanceolata (Knobl.) Alain H. Liogier in *Phytologia*, 63(1): 66 (1987); Linociera lanceolata.  
 hainanensis (Merr. & Chun) B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 18 (1987); Linociera hainanensis.  
 leucocladius (Merr. & Chun) B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 18 (1987); Linociera leucoclada.  
 longiflorus (Li) B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 18 (1987); Linociera longiflora.  
 mala-elengi (Dennst.) P.S. Green in *Bull. Bot. Surv. India*, 26(1-2): 124 (1984 publ. 1985); Forsythia mala-elengi.  
 ramiflorus  
   var. grandiflorus B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 17 (1987)—China.  
 vitiensis (Seem.) A.C. Smith in *Fl. Vitiensis Nova*, 4: 139 (1988); Olea vitiensis.

**CHIONOCHLOA** (Gramin.).

- defracta H.E. Connor in *New Zealand J. Bot.*, 25(1): 164 (1987)—New Zealand.  
 howensis S.W.L. Jacobs in *Telopea*, 3(2): 281 (1988)—Lord Howe Is.  
 lanea H.E. Connor in *New Zealand J. Bot.*, 25(1): 165 (1987)—New Zealand.

**CHIONOHEBE** (Scrophulariac.).

- glabra (Cheesem.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 4 (1987); Veronica thomsonii var. glabra.

**CHIONOLAENA** (Compos.).

- aecidiocephala (Grierson) A.A. Anderberg & S.E. Freire in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 40 (1989); Anaphalis aecidiocephala.  
 breweri J. Steyermark & B. Maguire in *Acta Bot. Venezuel.*, 14(3): 26 (1984)—Venezuela.  
 concinna (A. Gray) A.A. Anderberg & S.E. Freire in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 40 (1989); Gnaphalium concinnum.

**CHIRITA** (Gesneriac.).

- crassituba W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 24 (1989)—China.  
 dibangensis B.L. Burtt, S.K. Srivastava & B.N. Mehrotra in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 469 (1988 publ. 1989)—India.  
 latinervis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 21 (1989)—China.  
 leiophylla W.T. Wang in *Guihaia*, 6(3): 159 (1986)—China.

**CHIRITA** :-

- tenuituba (W.T. Wang) W.T. Wang in *Fl. Reipubl. Popul. Sin.*, 69: 388 (1990); Deltocheilos tenuitubum.  
 villosissima W.T. Wang in *Guihaia*, 6(3): 161 (1986)—China.  
 xinningensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 22 (1989)—China.  
 yungfuensis W.T. Wang in *Guihaia*, 7(2): 125 (1987)—China.

**CHIRITOPSIS** (Gesneriac.).

- mollifolia D. Fang & W.T. Wang in *Guihaia*, 6(1-2): 6 (1986)—China.  
 subulata W.T. Wang in *Guihaia*, 6(1-2): 8 (1986)—China.  
 xiuningensis X.L. Liu & X.H. Guo in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 51 (1989)—China.

**CHIRONIA** (Gentianac.).

- ramosissima Bernh., *Syst. Verz.*: 123 (1800); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1985)—Locality not stated.

**CHIROPETALUM** (Euphorbiac.).

- phalacradenium (J. Ingram) L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 155 (1988); Argythamnia phalacradenia.

**CHITONIA** (Melastomatac.).

- albicans (Sw.) D. Don ex G. Don f. in *Loud., Hort. Brit.*: 174 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981); Basionym not stated.

**CHLORIS** (Gramin.).

- berazainiae L. Catasús Guerra in *Acta Bot. Cubana*, 25: 5 (1985), as 'berazainae'—Cuba.  
 pilosa  
   var. nigra (Hackel) C. Vanden Berghen in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 455 (1987); C. nigra.  
 sagraeana  
   subsp. cubensis (Hitchcock & Ekman) L. Catasús Guerra in *Acta Bot. Cubana*, 25: 6 (1985), without basionym page: C. cubensis.

**CHLOROCHORION** C. Puff & E. Robbrecht in *Bot. Jahrb.*, 110(4): 547 (1989). RUBIACEAE.

- foetidum (Verdcourt) C. Puff & E. Robbrecht in *Bot. Jahrb.*, 110(4): 547 (1989); Pentanisia foetida.  
 monticola (K. Krause) C. Puff & E. Robbrecht in *Bot. Jahrb.*, 110(4): 547 (1989); Otomeria monticola.

**CHLOROLEUCON** (Legumin.).

- dumosum (Benth.) G.P. Lewis, *Legumes of Bahia*: 165 (1987); Pithecellobium dumosum.  
 foliolosum (Benth.) G.P. Lewis, *Legumes of Bahia*: 166 (1987); Pithecellobium foliolosum.  
 glazioui (Benth.) G.P. Lewis, *Legumes of Bahia*: 166 (1987); Pithecellobium glazioui.

**CHLOROPHYTUM** (Anthericac.).

- collinum (Poelln.) I. Nordal in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 539 (1990); Anthericum collinum.  
 decoratum (Baker) C. Tittel in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 3: 1343 (1986); Dasystachys decorata.  
 dolichocarpum M.N. Tamura in *Acta Phytotax. Geobot.*, 40(1-4): 2 (1989)—Thailand.

**CHLOROSPETHA** (Arac.).

- croatiana M.H. Grayum in *Ann. Missouri Bot. Gard.*, 73(2): 464 (1986)—Panama, Costa Rica, Colombia.  
 subsp. enneaphylla M.H. Grayum in *Ann. Missouri Bot. Gard.*, 73(2): 466 (1986)—Colombia.  
 gentryi M.H. Grayum in *Ann. Missouri Bot. Gard.*, 73(2): 468 (1986)—Colombia.  
 hammeliana M.H. Grayum & T.B. Croat in *Ann. Missouri Bot. Gard.*, 73(2): 466 (1986)—Panama.

**CHOMELIA** (Rubiace.).

- glabricalyx J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 657 (1987)—Venezuela.  
 stergiosii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 105 (1987)—Venezuela.

**CHONDRADENIA** (Orchidac.).

- doyonensis (Hand.-Maz.) P. Vermeulen in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 36 (1972); Orchis doyonensis.

**CHONDRILLA** (Compos.).

- maracandica A. Bunge, *Beitr. Fl. Russl.*: 204 (1852)—U.S.S.R. (Middle Asia).†

**CHONDROPETALUM** (Restionac.).

- decipiens E.E. Esterhuysen in *Bothalia*, 15(3-4): 428 (1985)—South Africa (Cape Province).

**CHONDROPYXIS** D.A. Cooke in *Fl. S. Australia*, 3:

- 1612 (1986). COMPOSITAE.  
 halophila D.A. Cooke in *Fl. S. Australia*, 3: 1613 (1986)—Australia (S. Australia, W. Australia).

**CHONDRORHYNCHA** (Orchidac.).

- anatona (Dressler) K. Senghas in *Orchidee*, 41(3): 91 (1990); Cochleanthes anatona.  
 andreettae R. Jenny in *Orchidee*, 40(3): 92 (1989)—Ecuador.  
 ecuadorensis C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 415 (1989)—Ecuador.  
 hirtzii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 416 (1989)—Ecuador.  
 litensis C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 417 (1989)—Ecuador, Colombia.  
 picta (Rchb. f.) K. Senghas in *Orchidee*, 41(3): 94 (1990); Warscewiczella picta.  
 suarezii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 418 (1989)—Ecuador.  
 thienii (Dodson) K. Senghas in *Orchidee*, 41(3): 94 (1990), isonym; see Dodson in *Selbyana*, 7(2-4): 354 (1984); Cochleanthes thienii.  
 velastiguii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 419 (1989)—Ecuador.  
 viridiseipala K. Senghas in *Orchidee*, 40(5): 181 (1989)—Ecuador.  
 vollesii G. Gerlach, T. Neudecker & H.G. Seeger in *Orchidee*, 40(4): 131 (1989)—Colombia.

**CHORIGYNE** R. Eriksson in *Nordic J. Bot.*, 9(1): 33

- (1989). CYCLANTHACEAE.  
 cylindrica R. Eriksson in *Nordic J. Bot.*, 9(1): 44 (1989)—Panama.  
 densiflora R. Eriksson in *Nordic J. Bot.*, 9(1): 35 (1989)—Panama.  
 ensiformis (Hook. f.) R. Eriksson in *Nordic J. Bot.*, 9(1): 37 (1989); Carludovicia ensiformis.  
 paucinervis R. Eriksson in *Nordic J. Bot.*, 9(1): 40 (1989)—Panama.  
 pendula (Hammel) R. Eriksson in *Nordic J. Bot.*, 9(1): 39 (1989); Sphaeradenia pendula.  
 pterophylla R. Eriksson in *Nordic J. Bot.*, 9(1): 40 (1989)—Costa Rica, Panama.  
 tumescens R. Eriksson in *Nordic J. Bot.*, 9(1): 44 (1989)—Panama.

**CHORIZANTHE** (Polygonac.).

- subsect. Acanthogonum (Torr.) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 179 (1989); gen. Acanthogonum.  
 subgen. Amphietes J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 113 (1989).  
 subsect. Ansata J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 183 (1989).  
 subsect. Chorizanthella (C. Parry) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 186 (1989); C. sect. Chorizanthella.  
 sect. Clastoscapa J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 194 (1989).  
 subgen. Eriogonella (Goodman) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 110 (1989); gen. Eriogonella.  
 subsect. Exolophyta J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 182 (1989).  
 sect. Fragile J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 188 (1989).  
 subsect. Legnota J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 116 (1989).  
 subsect. Parvatia J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 176 (1989).  
 subsect. Petasata J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 134 (1989).  
 subgen. Quintaria J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 108 (1989).

**CHORIZANTHE** :-

- biloba*  
*var. immemora* J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 138 (1989)—U.S.A. (California).  
*pungens*  
*var. hartwegiana* J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 125 (1989)—U.S.A. (California).  
*robusta*  
*var. hartwegii* (Benth.) J.L. Reveal & R. Morgan in *Phytologia*, 67(5): 358 (1989): *C. douglasii* var. *hartwegii*.  
*rosulenta* J.L. Reveal in *Phytologia*, 66(2): 95 (1989)—Mexico.

**CHRISTIA** (Legumin.).

- vespertilionis*  
*var. grandifolia* P. Dy Phon in *Fl. Cambodge, Laos & Vietnam*, 23: 124 (1987)—Vietnam.

**CHRISTOLEA** (Crucif.).

- baigoinensis* K.C. Kuan & An in *Fl. Xizangica*, 2: 388 (1985)—Xizang.  
*rosularis* K.C. Kuan & An in *Fl. Xizangica*, 2: 386 (1985)—Xizang.

**CHROMOLAENA** (Compos.).

- impetiolaris* (Griseb.) D.H. Nicolson in *Phytologia*, 62(3): 164 (1987): *Eupatorium impetiolare*.  
*macrodon* (DC.) D.H. Nicolson in *Phytologia*, 62(3): 164 (1987): *Eupatorium macrodon*.

**CHROZOPHORA** (Euphorbiac.).

- integrifolia* A. Bunge, *Beitr. Fl. Russl.*: 314 (1852)—U.S.S.R. (Middle Asia).†  
*tinctoria*  
*subsp. obliqua* (Vahl) O. de Bolos & J. Vigo, *Fl. Paisos Catalans*, 2: 547 (1990): *Croton obliquus*.

**CHRYSANTHELLUM** (Compos.).

- indicum*  
*var. madagascarense* B.L. Turner in *Phytologia*, 64(6): 432 (1988)—Madagascar.  
*keilii* B.L. Turner in *Phytologia*, 64(6): 437 (1988)—Mexico.

**CHRYSANTHEMUM** (Compos.).

- grandiflorum* (W.J. Hooker) W.J. Hooker in W.E. Parry's *Second Voyage, Appendix*: 398 (1825 publ. 1827): *Pyrethrum grandiflorum*.†  
*japonicum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 773 (1784)—Japan.†  
*sinense* Sabine in *Tilloch & Taylor, Phil. Mag.*, 61: 235 (1823); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.  
*zawadskii*  
*var. mongolicum* (Ling) I.A. Gubanov in L.G. Byazrov et al., *Fl. Khangaya*: 151 (1989): *C. mongolicum*.

**CHRYSASPIS** (Legumin.).

- karatavica* (Pav.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium karatavicum*.  
*rytidosemia* (Boiss. & Hohen.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 720 (1990): *Trifolium rytidosemium*.

**CHRYSOBALANUS** (Chrysobalanac.).

- venezuelanus* G.T. Prance in *Fl. Neotrop.*, 9S: 4 (1989)—Venezuela.

**CHRYSOCYCYNIS** (Orchidac.).

- tigrinum* (C. Schweinf.) J.T. Atwood in *Icon. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1306 (1989): *Maxillaria tigrina*.

**CHRYSOPHYLLUM** (Sapotac.).

- sect. Prieurella* (Pierre) T.D. Pennington in *Fl. Neotrop.*, 52: 592 (1990): gen. *Prieurella*.  
*sect. Ragala* (Pierre) T.D. Pennington in *Fl. Neotrop.*, 52: 582 (1990): gen. *Ragala*.  
*amazonicum* T.D. Pennington in *Fl. Neotrop.*, 52: 595 (1990), nom. nov.: *Prieurella wurdackii* Aubréville.

**CHRYSOPHYLLUM** :-

- argentum*  
*subsp. auratum* (Miquel) T.D. Pennington in *Fl. Neotrop.*, 52: 545 (1990): *C. auratum*.  
*subsp. ferrugineum* (Ruiz & Pavón) T.D. Pennington in *Fl. Neotrop.*, 52: 547 (1990): *Nycterisition ferrugineum*.  
*subsp. nitidum* (G.F.W. Meyer) T.D. Pennington in *Fl. Neotrop.*, 52: 548 (1990): *C. nitidum*.  
*subsp. panamense* (Pittier) T.D. Pennington in *Fl. Neotrop.*, 52: 548 (1990): *C. panamense*.  
*asraoi* Rakesh Kumari & K. Thothathri in *Indian J. Forest.*, 13(1): 61 (1990)—India.  
*bombycinum* T.D. Pennington in *Fl. Neotrop.*, 52: 588 (1990)—Peru, Brazil.  
*colombianum* (Aubréville) T.D. Pennington in *Fl. Neotrop.*, 52: 596 (1990): *Prieurella colombiana*.  
*durifructum* (Rodrigues) T.D. Pennington in *Fl. Neotrop.*, 52: 604 (1990): *Achrouteria durifructa*.  
*euryphyllum* T.D. Pennington in *Fl. Neotrop.*, 52: 571 (1990)—Colombia.  
*lanatum* T.D. Pennington in *Fl. Neotrop.*, 52: 617 (1990)—Colombia.  
*lucentifolium*  
*subsp. pachycarpum* Pires & T.D. Pennington in *Fl. Neotrop.*, 52: 606 (1990)—Venezuela, Panama, Colombia, Ecuador, Peru, Brazil, Bolivia.  
*manaosense* (Aubréville) T.D. Pennington in *Fl. Neotrop.*, 52: 598 (1990): *Prieurella manaosensis*.  
*marginatum*  
*subsp. tomentosum* (Miquel) T.D. Pennington in *Fl. Neotrop.*, 52: 563 (1990): *C. ebenaceum* var. *tomentosum*.  
*oliviforme*  
*subsp. angustifolium* (Lamarck) T.D. Pennington in *Fl. Neotrop.*, 52: 541 (1990): *C. angustifolium*.  
*paranaense* T.D. Pennington in *Fl. Neotrop.*, 52: 578 (1990)—Brazil.  
*pomiferum* (Eyma) T.D. Pennington in *Fl. Neotrop.*, 52: 602 (1990): *Achrouteria pomifera*.  
*sanguinolentum*  
*subsp. balata* (Ducke) T.D. Pennington in *Fl. Neotrop.*, 52: 587 (1990): *Ecclinusa balata*.  
*subsp. spurium* (Ducke) T.D. Pennington in *Fl. Neotrop.*, 52: 585 (1990): *Ecclinusa spuria*.  
*scalare* T.D. Pennington in *Fl. Neotrop.*, 52: 590 (1990)—Venezuela, Peru.  
*striatum* T.D. Pennington in *Fl. Neotrop.*, 52: 573 (1990)—Panama.  
*superbum* T.D. Pennington in *Fl. Neotrop.*, 52: 619 (1990)—Brazil.  
*ucuquirana-branca* (Aubréville & Pellegrin) T.D. Pennington in *Fl. Neotrop.*, 52: 589 (1990): *Ecclinusa ucuquirana-branca*.  
*venezuelanense* (Pierre) T.D. Pennington in *Fl. Neotrop.*, 52: 607 (1990): *Cornuella venezuelanensis*.

**CHRYSOSPLENIMUM** (Saxifragac.).

- sect. Grayana* J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 204 (1986).  
*ser. Ramosa* J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 206 (1986).  
*sect. Trichosperma* J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 203 (1986).  
*absconditicapsulum* J.T. Pan in *Fl. Xizangica*, 2: 450 (1985)—Xizang.  
*arctomontanum* (Petrovsky) S.S. Kharkevich in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 4: 185 (1989): *C. alternifolium* subsp. *arctomontanum*.  
*chinense* (Hara) J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 93 (1986): *C. alternifolium* var. *chinense*.  
*dezhnevii* (Jurtz.) S.S. Kharkevich in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 4: 182 (1989): *C. rimosum* subsp. *dezhnevii*.  
*griffithii*  
*var. intermedium* (Hara) J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 92 (1986): *C. nudicaule* var. *intermedium*.  
*hydrocotylifolium*  
*var. emeiense* J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 94 (1986)—China.  
*lanuginosum*  
*var. ciliatum* (Franch.) J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 96 (1986): *C. ciliatum*.  
*var. pilosomarginatum* (Hara) J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 96 (1986): *C. pilosomarginatum*.

**CHRYSOSPLENIMUM** :-

- lixianense* Jien ex J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 207 (1986)—China.  
*pilosum*  
*var. pilosopetiolatum* (Jien) J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 206 (1986): *C. pilosopetiolatum*.  
*qinlingense* Jien ex J.T. Pan in *Acta Phytotax. Sin.*, 24(3): 208 (1986)—China.  
*sibiricum* (Ser. ex DC.) S.S. Kharkevich in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 4: 185 (1989): *C. alternifolium* var. *sibiricum*.  
*sibiricum* (Ser. ex DC.) A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 43 (1989): *C. alternifolium* var. *sibiricum*.  
*taibaishanense* J.T. Pan in *Acta Phytotax. Sin.*, 24(2): 97 (1986)—China.

**CHRYSOTHAMNUS** (Compos.).

- nauseosus*  
*var. abbreviatus* (Jones) S.L. Welsh in *Great Basin Nat.*, 43(2): 241 (1983): *Bigelovia leiosperma* var. *abbreviata*.  
*var. arenarius* (L.C. Anderson) S.L. Welsh in *Great Basin Nat.*, 43(2): 241 (1983): *C. nauseosus* subsp. *arenarius*.  
*var. glareosus* (Jones) S.L. Welsh in *Great Basin Nat.*, 43(2): 241 (1983): *Bigelovia glareosa*.  
*var. iridis* (L.C. Anderson) S.L. Welsh in *Great Basin Nat.*, 43(2): 242 (1983): *C. nauseosus* subsp. *iridis*.  
*var. nitidus* (L.C. Anderson) S.L. Welsh in *Great Basin Nat.*, 43(2): 242 (1983): *C. nauseosus* subsp. *nitidus*.  
*subsp. uintahensis* L.C. Anderson in *Great Basin Nat.*, 44(3): 416 (1984)—U.S.A. (Utah).  
*var. uintahensis* (L.C. Anderson) S.L. Welsh in *S.L. Welsh et al., Utah Fl. (Great Basin Nat. Mem. 9)*: 168 (1987): *C. nauseosus* subsp. *uintahensis*.

**CHRYSURUS** (Gramin.).

- aureus* (L.) Besser, *Cat. Jard. Bot. Krz.*: 30 (1810); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): *Basionym* not stated.

**CHTHONOCEPHALUS** (Compos.).

- muellerianus* P.S. Short in *Muelleria*, 7(2): 234 (1990)—Australia (W. Australia).  
*oldfieldianus* P.S. Short in *Muelleria*, 7(2): 230 (1990)—Australia (W. Australia).  
*spatulatus* P.S. Short in *Muelleria*, 7(2): 228 (1990)—Australia (W. Australia).  
*viscosus* P.S. Short in *Muelleria*, 7(2): 236 (1990)—Australia (W. Australia).

**CHUKRASIA** A. Jussieu in Mirb. & Cass. apud Guill. in *Bull. Sci. Nat. Geol.*, 23: 239 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELIACEAE.****CHUSQUEA** (Gramin.).

- sect. Longifoliae* L.G. Clark, *Syst. Chusquea* (Syst. Bot. Monog., 27): 105 (1989).  
*sect. Longiprophylae* L.G. Clark in *Syst. Bot.*, 15(4): 626 (1990).  
*sect. Serpentes* L.G. Clark, *Syst. Chusquea* (Syst. Bot. Monog., 27): 91 (1989).  
*sect. Swallenochloa* (McClure) L.G. Clark, *Syst. Chusquea* (Syst. Bot. Monog., 27): 29 (1989): gen. *Swallenochloa*.  
*sect. Verticillatae* L.G. Clark, *Syst. Chusquea* (Syst. Bot. Monog., 27): 74 (1989).  
*angustifolia* (Soderstrom & C. Calderón) L.G. Clark in *Ann. Missouri Bot. Gard.*, 74(2): 428 (1987): *Swallenochloa angustifolia*.  
*aperta* L.G. Clark in *Ann. Missouri Bot. Gard.*, 74(2): 426 (1987)—Mexico.  
*effusa* S.A. Renvoize in *Kew Bull.*, 42(4): 924 (1987)—Brazil.  
*elegans* S.A. Renvoize in *Kew Bull.*, 42(4): 924 (1987)—Brazil.  
*exasperata* L.G. Clark in *Syst. Bot.*, 15(4): 627 (1990)—Ecuador, Peru.  
*glauca* L.G. Clark, *Syst. Chusquea* (Syst. Bot. Monog., 27): 95 (1989)—Mexico.  
*grandiflora* L.G. Clark in *Ann. Missouri Bot. Gard.*, 74(2): 424 (1987)—Panama, Colombia.

**CHUSQUEA**:-

- londoniae L.G. Clark in *Syst. Bot.*, 15(4): 628 (1990)—Colombia.  
 longiligulata (Soderstrom & C. Calderón) L.G. Clark in *Ann. Missouri Bot. Gard.*, 74(2): 428 (1987): Swallenochloa longiligulata.  
 longiphylla L.G. Clark in *Syst. Bot.*, 15(4): 631 (1990)—Colombia.  
 maculata L.G. Clark in *Syst. Bot.*, 15(4): 632 (1990)—Venezuela, Colombia.  
 vulcanalis (Soderstrom & C. Calderón) L.G. Clark in *Ann. Missouri Bot. Gard.*, 74(2): 428 (1987): Swallenochloa vulcanalis.

**CHYMOCARPUS** D. Don ex Brewster, Taylor & Philips, *Phil. Mag. & J. Sci.*, 2: 68 (Jan. 1833); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981). **TROPAEOLACEAE**.

**CHYSIS** (Orchidac.).

- thorvaldsenii Liebm. in *Schouw. Forteg. Kjöb. Bot. Hav. Pl.*: 26 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984)—Locality not stated.

**CIBIRHIZA** P. Bruyns in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 51 (1988). **ASCLEPIADACEAE**.  
 dhofarensis P. Bruyns in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 51 (1988)—Oman.

**CICER** (Legumin.).

- subgen. *Stenophylloma* A. Santos Guerra & G.P. Lewis in *Kew Bull.*, 41(2): 459 (1986).  
 canariense A. Santos Guerra & G.P. Lewis in *Kew Bull.*, 41(2): 461 (1986)—Canary Is.  
 nigrum Hort. Vindob. ex Zeyher, Verz. *Saemm. Gewäch. Schwæzingen*: 53 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.

**CICERBITA** (Compos.).

- cyanea  
 var. khasiana (Clarke) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Lactuca hastata* var. khasiana.  
 var. paniculata (Clarke) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Lactuca hastata* var. paniculata.  
 filicina (Duthie ex Stebbins) B.S. Aswal & A.K. Goel in *J. Econ. Taxon. Bot.*, 12(1): 12 (1988): *Lactuca filicina*.  
 filicina (Duthie ex Stebbins) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989), isonym: *Lactuca filicina*.  
 lessertiana (Wall. ex DC.) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Mulgedium lessertianum*.  
 subsp. dentata (DC.) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989), without basionym page or date: *Mulgedium lessertianum* var. dentatum.  
 subsp. lyrata (Decne.) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Melanoseris lyrata*.

**CICHORIUM** (Compos.).

- intybus  
 subsp. glabratum (C. Presl) G. Wagenitz & U. Bedarff in *Davis & Hedge Festschrift (ed. Kit Tan)*: 12 (1989): *C. glabratum*.

**CIMICIFUGA** (Ranunculac.).

- sect. *Macrotys* (Raf. ex DC.) M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 99 (1990): *Actaea* sect. *Macrotys*.  
 sect. *Oligocarpa* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 99 (1990).  
 sect. *Pityrosperma* (Sieb. & Zucc.) M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 99 (1990): gen. *Pityrosperma*.

**CIMINALIS** (Gentianac.).

- variegata V.V. Zuev in *Bot. Zhurn.*, 71(10): 1406 (1986)—U.S.S.R. (Siberia, Middle Asia), Mongolia.

**CINCHONA** (Rubiace.).

- orixensis Roxb., *Bot. Descr. Swietenia*: 21 (1793) et in *Med. Facts Obs.*, 6: 152 (1795); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982)—India.  
 sanctae-luciae Kentish, *Exp. Obs. New Sp. Bark*: 51 (1784); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982)—Locality not stated.  
 stadtmannii J.V. Thompson, *Cat. Exot. Fl. Maurit.*, ed. 2: 8 (1822); cf. D.J. Mabberley in *Taxon*, 31(1): 68 (1982)—Locality not stated.

**CINERARIA** (Compos.).

- albomontana O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 185 (1988 publ. 1989)—South Africa (Cape Province), Lesotho.  
 dubia Weigel, *Hort. Gryph.*: 32 (1782); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.  
 exsquamata Sweet, *Hort. Brit.*, ed. 2: 305 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 766 (1784)—Japan.†  
 petasites (L.) Bernh., *Syst. Verz.*: 146 (1800); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): Basionym not stated.  
 vagans O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 186 (1988 publ. 1989)—South Africa (Cape Province).

**CINNA** (Gramin.).

- agrostoides Beauvois, *Ess. Agrostogr.*: 147 (1812), nom. nov.: *Agrostis arundinacea* L.  
 suaveolens (Fries) Fries in *Schouw. Forteg. Kjöb. Bot. Hav. Pl.*: 7 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984): Basionym not stated.

**CINNAMOMUM** (Laurac.).

- alcinii (Allen) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 439 (1988): *Phoebe alcinii*.  
 altissimum A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 439 (1988)—Malaya, Sumatra.  
 anacardium A.J.G.H. Kostermans in *Ginkgoana*, 6: 37 (1986)—Philippine Is.  
 antillanum (Meissn.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 441 (1988): *Phoebe antillana*.  
 areolatorcostae (Allen) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 441 (1988): *Phoebe areolatorcostae*.  
 arfakense A.J.G.H. Kostermans in *Ginkgoana*, 6: 100 (1986)—New Guinea (W. Irian).  
 bintulense A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 441 (1988)—Borneo (Sarawak).  
 breedlovii (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 442 (1988): *Phoebe breedlovii*.  
 cebuense A.J.G.H. Kostermans in *Ginkgoana*, 6: 56 (1986)—Philippine Is.  
 chavarrianum (Hammel) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 442 (1988): *Phoebe chavarriana*.  
 corsoanum (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 442 (1988): *Phoebe corsoana*.  
 culitlawan (L.) A.J.G.H. Kostermans in *Ginkgoana*, 6: 67 (1986): *Laurus culitlawan*.  
 ebaloi A.J.G.H. Kostermans in *Ginkgoana*, 6: 50 (1986)—Philippine Is.  
 erectifolium (Allen) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 442 (1988): *Phoebe erectifolia*.  
 filipedicellatum A.J.G.H. Kostermans in *Bull. Bot. Surv. India*, 25(1-4): 92 (1983 publ. 1985)—India.  
 fouilloi A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 442 (1988)—Borneo (Kalimantan).  
 fruticosum (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 443 (1988): *Phoebe fruticosa*.  
 galeottianum (Mez) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 443 (1988): *Phoebe galeottiana*.  
 goaense A.J.G.H. Kostermans in *Bull. Bot. Surv. India*, 25(1-4): 94 (1983 publ. 1985)—India.  
 grandiflorum A.J.G.H. Kostermans in *Ginkgoana*, 6: 89 (1986)—New Guinea (W. Irian, Papua New Guinea).  
 grandis A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 443 (1988)—Borneo (Sabah).  
 hartmannii (Johnston) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 444 (1988): *Phoebe hartmannii*.

**CINNAMOMUM**:-

- impressum (Meissn.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 444 (1988): *Phoebe impressa*.  
 japonicum  
 var. chenii (Nakai) G.F. Tao in *J. Wuhan Bot. Res.*, 4(2): 164 (1986), without basionym ref.: *C. chenii*.  
 keralaense A.J.G.H. Kostermans in *Bull. Bot. Surv. India*, 25(1-4): 98 (1983 publ. 1985)—India.  
 lanuginosum A.J.G.H. Kostermans in *Ginkgoana*, 6: 138 (1986)—Fiji.  
 longepedicellatum A.J.G.H. Kostermans in *Ginkgoana*, 6: 98 (1986)—New Guinea (Papua New Guinea).  
 malayanum A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 444 (1988)—Malaya.  
 mayanum (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 446 (1988): *Phoebe mayana*.  
 melliodorum A.J.G.H. Kostermans in *Ginkgoana*, 6: 131 (1986)—New Britain.  
 mendozæ A.J.G.H. Kostermans in *Ginkgoana*, 6: 58 (1986), as 'mendozai'—Philippine Is.  
 miaoshanense S. Lee & F.N. Wei in *Guihaia*, 8(4): 302 (1988)—China.  
 micranthum  
 f. kanehirae (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 309 (1985): *Cinnamomum kanehirai*.  
 nanophyllum A.J.G.H. Kostermans in *Ginkgoana*, 6: 45 (1986), nom. nov.: *C. microphyllum Quisumbing & Merrill*.  
 nicolsonianum K.S. Manilal & M. Shylaja in *Bull. Bot. Surv. India*, 28(1-4): 111 (1986 publ. 1988)—India.  
 nooteboomii A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 446 (1988)—Borneo (Sarawak), Sumatra.  
 novae-britanniae A.J.G.H. Kostermans in *Ginkgoana*, 6: 129 (1986)—Santa Cruz Is. (South Pacific).  
 nunesianum (de Vattimo) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 447 (1988): *Phoebe nunesiana*.  
 oblongum A.J.G.H. Kostermans in *Ginkgoana*, 6: 59 (1986)—Philippine Is.  
 ovaluense A.J.G.H. Kostermans in *Ginkgoana*, 6: 144 (1986)—Fiji.  
 pachypes A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 447 (1988)—Malaya.  
 pachypodium (Nees) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 447 (1988): *Persea pachypoda*.  
 paiei A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 448 (1988)—Borneo (Sarawak).  
 panayense A.J.G.H. Kostermans in *Ginkgoana*, 6: 46 (1986)—Philippine Is.  
 parvulum (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 448 (1988): *Phoebe parvula*.  
 perglabrum A.J.G.H. Kostermans in *Ginkgoana*, 6: 45 (1986)—Philippine Is.  
 peruvianum (Meissn.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 448 (1988): *Phoebe peruviana*.  
 petiolatum A.J.G.H. Kostermans in *Ginkgoana*, 6: 81 (1986)—New Guinea (W. Irian).  
 pickellii (Coe-Teixeira) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 448 (1988): *Phoebe pickellii*.  
 polderi A.J.G.H. Kostermans in *Ginkgoana*, 6: 25 (1986)—Celebes.  
 polyadelphum (Lour.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 449 (1988): *Laurus polyadelphe*.  
 porphyrosporum A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 450 (1988)—Sumatra.  
 rupestre A.J.G.H. Kostermans in *Ginkgoana*, 6: 35 (1986)—Philippine Is.  
 safrol A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 451 (1988)—Malaya.  
 sancti-caroli A.J.G.H. Kostermans in *Ginkgoana*, 6: 38 (1986)—Philippine Is.  
 subaveniopsis A.J.G.H. Kostermans in *Ginkgoana*, 6: 27 (1986)—Celebes.  
 subsericeum A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 452 (1988)—Vietnam, Cambodia.  
 talawaense A.J.G.H. Kostermans in *Ginkgoana*, 6: 127 (1986)—New Britain.  
 trinerve (Lundell) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 453 (1988): *Phoebe trinervis*.  
 trintaense A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 453 (1988)—Malaya.  
 utile A.J.G.H. Kostermans in *Ginkgoana*, 6: 55 (1986)—Philippine Is.

**CINNAMOMUM** :-

- vacciniifolium* A.J.G.H. Kostermans in *Ginkgoana*, 6: 80 (1986)—New Guinea (W. Irian).  
*vanderwerffii* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 454 (1988), nom. nov.: *Phoebe glabra* van der Werff.  
*villosulum* S. Lee & F.N. Wei in *Guihaia*, 8(4): 301 (1988)—China.  
*vitiense* A.J.G.H. Kostermans in *Ginkgoana*, 6: 142 (1986)—Fiji.  
*walaiwarenses* A.J.G.H. Kostermans in *Bull. Bot. Surv. India*, 25(1-4): 119 (1983 publ. 1985)—India.  
*woodii* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 454 (1988)—Borneo (Sabah).

**CIPURA** (Iridac.).

- formosa* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 36 (1988)—Brazil.  
*insularis* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 42 (1988), nom. nov.: *C. cubensis* Wright ex Sauvalle.  
*northiana* (Schneev.) Endl., Cat. Horti Vindob., 1: 156 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.  
*paludosa*  
 subsp. *boliviensis* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 40 (1988)—Bolivia.  
 subsp. *caatingensis* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 39 (1988)—Brazil.  
 subsp. *decora* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 38 (1988)—Brazil.  
 subsp. *robusta* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 38 (1988)—Brazil.  
 subsp. *warmingii* (Kl.) P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 39 (1988): *Marica warmingii*.  
*paradisica* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 37 (1988)—Brazil.  
*rupicola* P. Goldblatt & J.E. Henrich in *Ann. Missouri Bot. Gard.*, 74(2): 337 (1987)—Venezuela.  
*xanthomelas*  
 subsp. *flavescens* P. Ravenna in *Onira*, Bot. Leaflet, 1(5): 40 (1988)—Brazil.

**CIRCAEA** (Onagrac.).

- taiwaniana* S.S. Ying, Alp. Pl. Taiwan in *Color*, 2: 199 (1978)—Taiwan.  
*xataronensis* H. Li in *Fl. Yunnanica*, 4: 157 (1986)—China. (*C. alpina* subsp. *imaicola* × *cordata*).

**CIRSIIUM** (Compos.).

- arizonicum*  
 var. *nidulum* (Jones) S.L. Welsh in *Great Basin Nat.*, 43(2): 248 (1983): *Cnicus nidulus*.  
*calcareum*  
 var. *bipinnatum* (Eastw.) S.L. Welsh in *Great Basin Nat.*, 43(2): 249 (1983): *Cnicus drummondii* var. *bipinnatum*.  
 var. *pulchellum* (Greene ex Rydb.) S.L. Welsh in *Great Basin Nat.*, 43(2): 249 (1983): *Carduus pulchellus*.  
*chikushiense*  
 var. *yakusimense* (Masamune) T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 113 (1987): *C. yakusimense*.  
*davisianum* Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 122 (1986)—Turkey.  
*echinatum*  
 var. *willkommianum* (Porta & Rigo) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988), without exact *basionym* date: *C. willkommianum*.  
*eliasianum* Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 123 (1986)—Turkey.  
*eriophorum*  
 var. *costae* (Sennen & Pau ex Sennen) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988): *C. corbariense* var. *costae*.  
*falconeri*  
 var. *horrida* (Hook. f.) B.S. Aswal & A.K. Goel in *J. Econ. Taxon. Bot.*, 12(1): 12 (1988): *C. involucreatus* var. *horrida*.  
*hida-paludosum* Y. Kadota & H. Nagase in *Bull. Nation. Sci. Mus., B (Tokyo)*, 14(1): 13 (1988)—Japan.  
*hispanicum* (Lam.) Lag., *Elenchus*: 5 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): *Basionym* not stated.

**CIRSIIUM** :-

- hispanicum* (Lam.) Font Quer & Rothmaler, *Sched. Fl. Iber. Select.*, Cent. II-III, n. 286 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 12 (1985): *Carduus hispanicus*.  
*japonicum*  
 var. *okiense* H. Koyama & Murata in *Acta Phytotax. Geobot.*, 37(4-6): 188 (1986)—Japan.  
*neomexicanum*  
 var. *utahense* (Petrak) S.L. Welsh in *Great Basin Nat.*, 43(2): 251 (1983): *C. utahense*.  
*nipponicum*  
 var. *sadoense* T. Yamazaki in *J. Jap. Bot.*, 64(2): 49 (1989)—Japan.  
*rassulovii* B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(114): 66 (1989)—U.S.S.R. (Middle Asia).  
*roseolum* Z.S. Goralcheva in *Bot. Zhurn.*, 74(12): 1783 (1989)—U.S.S.R. (Ukraine).  
*salicifolium* (Kitag.) C. Shih in *Fl. Reipubl. Popul. Sin.*, 78(1): 99 (1987): *C. vlassovianum* var. *salicifolium*.  
*sieboldii*  
 f. *leucanthum* T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989)—Japan.  
*undulatum*  
 var. *tracyi* (Rydb.) S.L. Welsh in *Great Basin Nat.*, 43(2): 254 (1983): *Carduus tracyi*.  
*wallichii*  
 var. *fasciculatum* (Hook. f.) K.S. Manilal & C.R. Suresh in *K.S. Manilal, Fl. Silent Valley*: 153 (1988), isonym, see p. 368: *Cnicus wallichii* var. *fasciculata*.  
 × *winkleri* Font Quer, *Sched. Fl. Iber. Select.*, Cent. II-III, n. 291 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 12 (1985)—Locality not stated. (*C. flavispina* × *gregarium*).

**×CISCHOSTALIX** hort. in *Orchid Rev.*, 98(1162): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (*Cischweinfia* × *Sigmatostalix*).**CISCHWEINFIA** (Orchidac.).

- jarae* C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 28 (1989)—Peru.  
*suarezii* C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 420 (1989)—Ecuador.

**CISSAMPELOPSIS** (Compos.).

- buimalia* (Buch.-Ham. ex D. Don) C. Jeffrey & Y.L. Chen in *Kew Bull.*, 41(4): 937 (1986): *Senecio buimalia*.†

**CISSUS** (Vitac.).

- araneosa* N.A. Dalzell in N.A. Dalzell & A. Gibson, *Bombay Fl.*: 41 (1861)—India.  
*arnottiana* B.V. Shetty & P. Singh in *Kew Bull.*, 44(3): 473 (1989)—India.  
*aubertiana* (Gage) P. Singh & B.V. Shetty in *Taxon*, 35(3): 596 (1986): *Vitis aubertiana*.  
*austroyunnanensis* Y.H. Li & Y. Zhang in *Guihaia*, 9(1): 28 (1989), as 'austro-yunnanensis'—China.  
*cardiophylla* (F. Muell.) B.R. Jackes in *Austrobaileya*, 2(5): 491 (1988): *Vitis cardiophylla*.  
*elongata*  
 subsp. *littoralis* (Talbot) B.V. Shetty & P. Singh in *Kew Bull.*, 44(3): 475 (1989): *Vitis elongata* var. *littoralis*.  
*guerkeana* (Büttm.) T. Durand & H. Schinz, *Études Fl. Congo (in Mem. Cour. Acad. Roy. Belg.)*, 53(4): 94 (1896): *Vitis guerkeana*.  
*pentaclada* B.R. Jackes in *Austrobaileya*, 2(5): 490 (1988)—Australia (Queensland).  
*vinosa* B.R. Jackes in *Austrobaileya*, 2(5): 494 (1988)—Australia (Queensland).

**CISTANTHE** (Portulacac.).

- sect. *Amarantoideae* (Reiche) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Calandrinia* sect. *Amarantoideae*.  
 sect. *Calyptidium* (Nuttall) M.A. Hershkovitz in *Phytologia*, 68(4): 267 (1990): gen. *Calyptidium*.  
 sect. *Philippiamra* (Kuntze) M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): gen. *Philippiamra*.  
 sect. *Stropholium* (B. Mathew) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Lewisia* subgen. *Stropholium*.

**CISTANTHE** :-

- ambigua* (S. Watson) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Claytonia ambigua*.  
*celosioides* (Philippi) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Silva celosioides*.  
*grandiflora* (Lindl.) Schlecht., *Hort. Hal.*: 10 (?1841); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984): *Calandrinia grandiflora*.  
*grandiflora* (Lindley) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990), isonym: *Calandrinia grandiflora*.  
*guadalupensis* (Dudley) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Talinum guadalupense*.  
*maritima* (Nuttall) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Calandrinia maritima*.  
*monandra* (Nuttall) M.A. Hershkovitz in *Phytologia*, 68(4): 267 (1990): *Calyptidium monandrum*.  
*monosperma* (E. Greene) M.A. Hershkovitz in *Phytologia*, 68(4): 267 (1990): *Calyptidium monospermum*.  
*parryi* (A. Gray) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Calyptidium parryi*.  
*pulchella* (Eastwood) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Spraguea pulchella*.  
*pygmaea* (Parish ex Rydberg) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Calyptidium pygmaeum*.  
*quadripetala* (S. Watson) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Calyptidium quadripetalum*.  
*rosea* (S. Watson) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Calyptidium roseum*.  
*salsoloides* (Barnéoud) Carolin ex M.A. Hershkovitz in *Phytologia*, 68(4): 269 (1990): *Calandrinia salsoloides*.  
*tweedyi* (A. Gray) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Calandrinia tweedyi*.  
*umbellata* (Torrey) M.A. Hershkovitz in *Phytologia*, 68(4): 268 (1990): *Spraguea umbellata*.

**CISTUS** (Cistac.).

- × *cebennensis* P. Aubin & J. Prudhomme in *Bull. Mens. Soc. Linn. Lyon*, 55(4): 136 (1986)—France. (*C. pouzolziei* × *salvifolius*).  
 × *cyprius*  
 nothovar. *ellipticus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 16: 93 (1985), contrary to Art. H5.2 ICBN (1983)—Cultivation. (*C. ladanifer* f. *sulcatus* × *laurifolius* var. *laurifolius*).  
*dunalianus* Sweet, *Hort. Brit.*: 34 (1826); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.  
*heterophyllus*  
 subsp. *carthaginensis* (Pau) M.B. Crespo & G. Mateo in *An. Jard. Bot. Madrid*, 45(1): 168 (1988): *C. carthaginensis*.  
 × *hybridus*  
 nothosubsp. *grandiflorus* (Pau) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 96 (1990): *C. × corbariense* var. *grandiflorus*.  
 var. *secallianus* (Pau) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 96 (1990): *C. × secallianus*.  
*ladanifer*  
 f. *bicolor* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 16: 93 (1985)—Portugal.  
 var. *sulcatus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 16: 93 (1985)—Portugal.  
 f. *sulcatus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 16: 93 (1985), without latin descr.—Locality not stated.  
 × *ledon*  
 var. *recognitus* (Rouy & Fouc.) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 96 (1990): *C. × recognitus*.  
 × *nigricans*  
 nothosubsp. *grosii* (Font Quer) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 97 (1990): *C. × longifolius* var. *grosii*.  
 var. *longifolius* (Lam.) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 97 (1990): *C. longifolius*.  
 × *purpureus*  
 var. *argenteus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 16: 93 (1985)—Cultivation. (*C. creticus* f. *creticus* × *ladanifer* f. *albiflorus*).



**CISTUS**:-

- nothof. argenteus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest*, n.s., 16: 93 (1985), without latin descr.—Locality not stated.
- nothof. stictus* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest*, n.s., 16: 93 (1985)—Cultivation. (C. creticus f. creticus × ladanifer f. ladanifer).
- ×*ralletii* J.-P. Demoly in *Bull. Soc. Bot. Centre-Ouest*, n.s., 16: 93 (1985)—Cultivation. (C. creticus var. creticus × symphytifolius var. symphytifolius).

**CITRUS** (Rutac.).

- daoxianensis* S.W. He & G.F. Liu in *Acta Bot. Yunnanica*, 12(3): 287 (1990)—China.
- grandis*
- var. *brunneorugosa* R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 66 (1987)—Japan.
- var. *glaberrima* (Hort. ex Tanaka) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 67 (1987); C. *glaberrima*.
- var. *kotokan* (Hayata) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 65 (1987); C. *kotokan*.
- var. *natsudaikai* (Tanaka) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 67 (1987); C. *aurantium* var. *natsudaikai*.
- var. *pyriformis* (Hassk.) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 66 (1987); C. *pyriformis*.
- var. *sabon* (Seib. ex Hayata) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 65 (1987); C. *sabon*.
- var. *sulcata* (Takahashi) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 67 (1987); C. *sulcata*.
- var. *tengu* (Y. Tanaka) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 66 (1987); C. *tengu*.
- var. *yamabuki* (Hort. ex Y. Tanaka) R.K. Karaya in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt.*, 112: 65 (1987); C. *yamabuki*.
- japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 697 (1784)—Japan.†
- ×*lapinii* I.S. Kapanadze in *Soobshch. Akad. Nauk Gruz. SSR*, 120(2): 390 (1985), without latin descr. or type—Cultivation.
- limon* (L.) Burm.f., *Fl. Ind.*: 173 (1768); *Citrus medica* β *limon*.
- mangshanensis* S.W. He & G.F. Liu in *Acta Bot. Yunnanica*, 12(3): 288 (1990)—China.
- microcarpa* A. Bunge, *Enum. Pl. China Bor. Coll.*: 10 (1833)—China.†

**CLADOCARPA** (Cucurbitac.).

- capitata* H. St. John in *Phytologia*, 63(3): 185 (1987)—Hawaiian Is.
- discoidea* H. St. John in *Phytologia*, 63(3): 185 (1987)—Hawaiian Is.
- harrisoniae* H. St. John in *Phytologia*, 63(3): 185 (1987), as 'harrisonae' Hawaiian Is.
- herbstii* H. St. John in *Phytologia*, 63(3): 185 (1987)—Hawaiian Is.
- julesii* H. St. John in *Phytologia*, 63(3): 185 (1987)—Hawaiian Is.
- kawelaensis* H. St. John in *Phytologia*, 63(3): 185 (1987), without type—Hawaiian Is.
- lanaiensis* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.
- lehuaensis* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.
- munroi* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.
- pauciramosa* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.
- umbellata* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.
- waimeaensis* H. St. John in *Phytologia*, 63(3): 186 (1987)—Hawaiian Is.

**CLADOCOLEA** (Loranthac.).

- apiculata* J. Kuijt in *Brittonia*, 39(4): 447 (1987)—Venezuela.
- coriacea* J. Kuijt in *Brittonia*, 39(4): 449 (1987)—Venezuela.
- primaria* J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 511 (1987)—Panama.

**CLADOTHAMNUS** (Ericac.).

- bracteatus* (Maxim.) T. Yamazaki in *J. Jap. Bot.*, 63(4): 163 (1988): *Tripetaleia bracteata*.

**CLADRASTIS** (Legumin.).

- lichuanensis* Q.W. Yao & G.G. Tang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 157 (1988)—China.

**CLAOXYLOPSIS** (Euphorbiac.).

- andapensis* A. Radcliffe-Smith in *Kew Bull.*, 43(4): 642 (1988)—Madagascar.
- purpurascens* A. Radcliffe-Smith in *Kew Bull.*, 43(4): 645 (1988)—Madagascar.

**CLARIONEIA** (Compos.).

- pungens* D. Don ex Taylor & Philips, *Phil. Mag. & J. Sci.*, 2: 388 (May 1832); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.

**CLARKIA** (Onagrac.).

- sect. *Sympherica* K.E. Holsinger & H. Lewis in *Ann. Missouri Bot. Gard.*, 73(2): 492 (1986).
- subsect. *Sympherica* K.E. Holsinger & H. Lewis in *Ann. Missouri Bot. Gard.*, 73(2): 493 (1986).
- concinna*
- subsp. *automixa* R.N. Bowman in *Madroño*, 34(1): 41 (1987)—U.S.A. (California).

**CLAUSENA** (Rutac.).

- heptaphylla* (DC.) E. Steudel, *Nomenclator Botanicus*, ed. 2: 377 (1840): *Amyris heptaphylla*.
- yunnanensis*
- var. *longgangensis* C.F. Liang & Y.X. Lu in *Guihaia*, 10(2): 104 (1990)—China.

**CLAVIJA** (Theophrastac.).

- fusca* B. Ståhl in *Nordic J. Bot.*, 9(1): 19 (1989)—Panama.
- harlingii* B. Ståhl in *Fl. Ecuador*, 39(149): 15 (1990)—Ecuador, Colombia, Peru.
- mezii*
- subsp. *allenii* (Lundell) B. Ståhl in *Nordic J. Bot.*, 9(1): 18 (1989); C. *allenii*.
- minor B. Ståhl in *Nordic J. Bot.*, 6(6): 771 (1986)—Colombia.
- procera* B. Ståhl in *Fl. Ecuador*, 39(149): 13 (1990)—Ecuador.
- repanda* B. Ståhl in *Nordic J. Bot.*, 6(6): 769 (1986)—Ecuador.
- venosa* B. Ståhl in *Fl. Ecuador*, 39(149): 19 (1990)—Ecuador, Peru.

**CLAYTONIA** (Portulacac.).

- palustris* J.R. Swanson & W.A. Kelley in *Madroño*, 34(2): 155 (1987)—U.S.A. (California).
- udokanica* V.V. Zuev in *Bot. Zhurn.*, 75(1): 99 (1990)—U.S.S.R. (Siberia).

**CLEIDION** (Euphorbiac.).

- alongense* S.S.R. Bennet & S. Chandra in *Indian Forester*, 111(10): 846 (1985)—India.
- bishnui* T. Chakrabarty & M. Gangopadhyay in *J. Econ. Taxon. Bot.*, 12(2): 473 (1988 publ. 1989)—Burma.
- javanicum*
- var. *longipedicellatum* T. Chakrabarty & M. Gangopadhyay in *J. Econ. Taxon. Bot.*, 12(2): 491 (1988 publ. 1989)—Sikkim.
- var. *moniliflorum* (Airy Shaw) T. Chakrabarty & M. Gangopadhyay in *J. Econ. Taxon. Bot.*, 12(2): 493 (1988 publ. 1989); C. *moniliflorum*.
- lemurum* G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 146 (1987)—New Caledonia.
- lochmiosis* G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 144 (1987)—New Caledonia.
- marginatum* G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 149 (1987)—New Caledonia.
- veillonii* G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 154 (1987)—New Caledonia.
- velutinum* G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 164 (1987)—New Caledonia.

- ×**CLEISOFINETIA** hort. in *Orchid Rev.*, 95(1127): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (Cleistocentron × Neofinetia).

**CLEISOSTOMA** (Orchidac.).

- acutilabris* (Guillaum.) L.V. Aver'yanov in *Bot. Zhurn.*, 73(1): 107 (1988); *Luisia acutilabris*.
- bidoupense* (Tixier & Guillaum.) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988); *Saccolabium bidoupense*.
- comberi* J.J. Wood in *Kew Bull.*, 41(3): 700 (1986)—Java.
- longipaniculatum* P.J. Kores in *Allertonia*, 5(1): 202 (1989)—Fiji.
- nangongense* Z.H. Tsi in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 26 (1989)—China.
- pacificum* P.J. Cribb & B. Lewis in *Orchid Rev.*, 97(1150): 251 (1989)—Vanuatu.
- paludosum* (v. Roven) K. Senghas in *Schlechter Orchideen*, 1(22): 1340 (1989); *Sarcanthus paludosus*.
- pauciflorum* (Wight) K. Senghas in *Schlechter Orchideen*, 1(22): 1340 (1989); *Sarcanthus pauciflorus*.

- ×**CLEISOTHERIA** hort. in *Orchid Rev.*, 98(1162): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (Cleistostoma × Pelatantheria).

**CLEISTANTHUS** (Euphorbiac.).

- dongfangensis* (P.T. Li) H.S. Kiu in *Acta Phytotax. Sin.*, 27(6): 454 (1989); *Phyllanthus dongfangensis*.

**CLEISTES** (Orchidac.).

- huberi* G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 77(3): 549 (1990)—Venezuela.
- rosea*
- f. *pallida* G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 77(3): 551 (1990)—Venezuela.
- unifoliata* (C. Schweinf.) G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 77(3): 551 (1990); *Pogonia unifoliata*.

**CLEISTOCACTUS** (Cactac.).

- acanthurus* (Vaupel) D. Hunt in *Bradleya*, 5: 92 (1987); *Cereus acanthurus*.
- aureispinus* (Ritter) D. Hunt in *Bradleya*, 5: 92 (1987); *Winteria aureispina*.
- baumannii*
- subsp. *santacruzensis* (Backeberg) R. Mottram in *Cact. Succ. J. (U.S.A.)*, 61(4): 156 (1989); C. *santacruzensis*.
- fieldianus* (Britton & Rose) D. Hunt in *Bradleya*, 5: 92 (1987); *Borizicactus fieldianus*.
- fossulatus* R. Mottram in *Chileans*, 13(43): 30 (1985)—Bolivia.
- leonensis* J.E. Madsen in *Fl. Ecuador*, 35(45): 18 (1989)—Ecuador.
- samaipatanus* (Cardenas) D. Hunt in *Bradleya*, 5: 92 (1987); *Bolivicerus samaipatanus*.
- sepium*
- var. *morleyanus* (Britton & Rose) J.E. Madsen in *Fl. Ecuador*, 35(45): 21 (1989); *Borizicactus morleyanus*.
- var. *ventimigliae* (Riccob.) J.E. Madsen in *Fl. Ecuador*, 35(45): 22 (1989); *Borizicactus ventimigliae*.
- winteri* D. Hunt in *Bradleya*, 6: 100 (1988), nom. nov.: C. *aureispinus* (Ritter) D. Hunt.

**CLEISTOCHLOA** (Gramin.).

- rigida* (S.T. Blake) R.D. Webster, *Australian Paniceae (Poac.)*: 30 (1987); *Dimorphochloa rigida*.
- rigida* (S.T. Blake) W.D. Clayton in *Kew Bull.*, 42(2): 401 (5 June 1987); *Dimorphochloa rigida*.

**CLEISTOGENES** (Gramin.).

- ramiflora* Keng & C.P. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 175 (1986)—China.
- squarrosa*
- subsp. *andropogonoides* (Honda) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990); C. *andropogonoides*.

- ×**CLEISTOPSIS** F. Strigl in *Kakt. And. Sukk.*, 30(9): 226 (1979). **CACTACEAE**. (Cleistocactus × Echinopsis).

**CLEMATIS** (Ranunculac.).

- sect. Aethusifoliae (*Tamura*) V.P. Serov in *Bot. Zhurn.*, 73(12): 1739 (1988): C. ser. Aethusifoliae.
- sect. Angustifoliae (*Tamura*) V.P. Serov in *Bot. Zhurn.*, 73(12): 1740 (1988): C. ser. Angustifoliae.
- subgen. Campanella M. *Tamura* in *Acta Phytotax. Geobot.*, 38: 38 (1987).
- sect. Campanella M. *Tamura* in *Acta Phytotax. Geobot.*, 38: 38 (1987).
- sect. Integrifoliae V.P. Serov in *Bot. Zhurn.*, 73(12): 1740 (1988).
- ser. Ispahanicae V.P. Serov in *Bot. Zhurn.*, 73(12): 1739 (1988).
- sect. Rectae (*Tamura*) V.P. Serov in *Bot. Zhurn.*, 73(12): 1739 (1988): C. ser. Rectae.
- ser. Songoricae V.P. Serov in *Bot. Zhurn.*, 73(12): 1739 (1988).
- subgen. Viorna (Reichb.) M. *Tamura* in *Acta Phytotax. Geobot.*, 38: 40 (1987): gen. Viorna.
- acuminata
- var. longicaudata W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 7 (1989)—China.
- brachyura
- var. hexasepala Y.N. Lee in *Korean J. Bot.*, 25(4): 177 (1982)—Korea.
- dubia (Endl.) P.S. Green in *Kew Bull.*, 45(2): 245 (1990): *Ripogonum dubium*.
- finetii
- var. pedata W.T. Wang in *Acta Bot. Yunnanica*, 8(3): 269 (1986)—China.
- florida C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 512 (1784)—Japan.†
- henryi
- var. mollis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 99 (1987)—China.
- iliensis Y.S. Hou & W.H. Hou in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 131 (1986)—Xinjiang.
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 512 (1784)—Japan.†
- jialasaensis W.T. Wang in *Acta Bot. Yunnanica*, 8(3): 268 (1986)—Xizang.
- jinzhaensis Z.W. Xue & X.W. Wang in *Acta Phytotax. Sin.*, 24(5): 406 (1986)—China.
- ladakhiana C. Grey-Wilson in *Kew Bull.*, 44(1): 49 (1989)—India, Xizang.
- liboensis Z.R. Xu in *Acta Phytotax. Sin.*, 26(2): 150 (1988)—China.
- lingyunensis W.T. Wang in *Acta Bot. Yunnanica*, 8(3): 266 (1986)—China.
- macroptala
- var. puniceoflora Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramontolicae*, 12(3): 79 (1981)—China.
- mashanensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 7 (1989)—China.
- montevicensis
- var. denticulata (Vell.) N.M. Bacigalupo in *Fl. Illustr. Entre Rios (Argent.)*, 3: 310 (1987): C. denticulata.
- morefieldii R. Kral in *Ann. Missouri Bot. Gard.*, 74(3): 665 (1987)—U.S.A. (Alabama).
- orientalis
- var. baluchistanica C. Grey-Wilson in *Kew Bull.*, 44(1): 40 (1989)—Pakistan.
- var. hindukushensis C. Grey-Wilson in *Kew Bull.*, 44(1): 40 (1989)—Afghanistan.
- var. robusta C. Grey-Wilson in *Kew Bull.*, 44(1): 40 (1989)—Afghanistan.
- var. tenuifolia (Royle) C. Grey-Wilson in *Kew Bull.*, 44(1): 42 (1989): C. tenuifolia.
- var. uniflora M. *Tamura* in *Acta Phytotax. Geobot.*, 37(4-6): 156 (1986)—Nepal.
- pamiralaica C. Grey-Wilson in *Kew Bull.*, 44(1): 54 (1989)—U.S.S.R. (Middle Asia), Xinjiang.
- pseudootophora
- var. integra W.T. Wang in *Acta Bot. Yunnanica*, 8(3): 266 (1986)—China.
- taeguensis Y.N. Lee in *Korean J. Bot.*, 25(4): 175 (1982)—Korea.
- tangutica
- subsp. mongolica C. Grey-Wilson in *Kew Bull.*, 44(1): 54 (1989)—Mongolia.
- subsp. obtusiuscula (Rehder & Wilson) C. Grey-Wilson in *Kew Bull.*, 44(1): 54 (1989): C. tangutica var. obtusiuscula.
- tibetana
- var. dentata C. Grey-Wilson in *Kew Bull.*, 44(1): 48 (1989)—Xizang.

**CLEMATIS** :-

- var. laciniifolia C. Grey-Wilson in *Kew Bull.*, 44(1): 48 (1989)—Nepal.
- subsp. vernayi (C.E.C. Fischer) C. Grey-Wilson in *Kew Bull.*, 44(1): 47 (1989): C. vernayi.
- var. vernayi (C.E.C. Fischer) C. Grey-Wilson in *Kew Bull.*, 44(1): 48 (1989): C. vernayi.
- villosa B.M. Yang in *Acta Phytotax. Sin.*, 27(3): 230 (1989)—China.
- yingtzulinia S.S. Ying in *Quart. J. Chinese Forest.*, 20(4): 127 (1987)—Taiwan.

**CLEMATOCLETHRA** (Actinidiac.).

- floribunda W.T. Wang ex C.F. Liang in *Guihaia*, 8(1): 56 (1988), nom. illegit.; non C. floribunda W.T. Wang ex C.F. Liang & Y.C. Chen in *Fl. Reipubl. Popul. Sin.*, 49(2): 326 (1984)—China.
- lasioclada
- var. oblonga C.F. Liang & Y.C. Chen ex C.Y. Chang in *Fl. Sichuanica*, 4: 82 (1988)—China.
- leiboensis C.F. Liang & Y.C. Chen ex C.Y. Chang in *Fl. Sichuanica*, 4: 67 (1988)—China.
- scandens
- subsp. actinidioides (Maxim.) Y.C. Tang & Q.Y. Xiang in *Acta Phytotax. Sin.*, 27(2): 91 (1989): C. actinidioides.
- subsp. hemsleyi (Baill.) Y.C. Tang & Q.Y. Xiang in *Acta Phytotax. Sin.*, 27(2): 90 (1989): C. hemsleyi.
- subsp. tomentella (Franch.) Y.C. Tang & Q.Y. Xiang in *Acta Phytotax. Sin.*, 27(2): 90 (1989): C. tomentella.

**CLEOME** (Capparac.).

- indecora Liebm. in *Schouw. Ind. Sem. Hort. Acad. Haun.*, 1845; *Linnaea*, 19: 403 (1847); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- sesquiorygalis Naud. ex C. Huber, *Revue horticole*, 46: 458, 467 (1874); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.
- viscosa
- var. nagarjunakondensis R. Sundara Raghavan in *Bull. Bot. Surv. India*, 28(1-4): 187 (1986 publ. 1988)—India.

**CLEOMELLA** (Capparac.).

- palmerana
- var. goodrichii S.L. Welsh in *Great Basin Nat.*, 46(2): 263 (1986)—U.S.A. (Utah).

**CLERETUM** (Aizoac.).

- herrei (Schwantes) H.-D. Ihlenfeldt & M. Struck in *Beitr. Biol. Pfl.*, 61(3): 437 (1986 publ. 1987), without exact basionym page: *Micropterum herrei*.
- lyratifolium H.-D. Ihlenfeldt & M. Struck in *Beitr. Biol. Pfl.*, 61(3): 437 (1986 publ. 1987)—South Africa (Cape Province).

**CLERMONTIA** (Campanulac.).

- albimontis H. St. John in *Phytologia*, 63(5): 350 (1987)—Hawaiian Is.
- arborescens
- subsp. waihae (Wawra) T.G. Lammers in *Syst. Bot.*, 13(4): 497 (1988): *Delissea waihae*.
- bicolorata H. St. John in *Phytologia*, 63(5): 350 (1987)—Hawaiian Is.
- clermontioides
- subsp. rockiana (F. Wimmer) T.G. Lammers in *Syst. Bot.*, 13(4): 498 (1988): C. rockiana.
- epilosa H. St. John in *Phytologia*, 63(5): 350 (1987)—Hawaiian Is.
- glabra H. St. John in *Phytologia*, 63(5): 350 (1987)—Hawaiian Is.
- gracilis H. St. John in *Phytologia*, 63(5): 350 (1987)—Hawaiian Is.
- grandiflora
- subsp. munroi (H. St. John) T.G. Lammers in *Syst. Bot.*, 13(4): 499 (1988): C. munroi.
- hualalaiensis H. St. John in *Phytologia*, 63(5): 351 (1987)—Hawaiian Is.
- kahuaensis H. St. John in *Phytologia*, 63(5): 351 (1987)—Hawaiian Is.
- kakeana
- var. rosea (Hillebr.) H. St. John in *Phytologia*, 63(5): 351 (1987): C. macrocarpa var. rosea.
- kipahuluensis H. St. John in *Phytologia*, 63(5): 351 (1987)—Hawaiian Is.

**CLERMONTIA** :-

- mauiensis H. St. John in *Phytologia*, 63(5): 351 (1987)—Hawaiian Is.
- oblongifolia
- subsp. brevipes (F. Wimmer) T.G. Lammers in *Syst. Bot.*, 13(4): 500 (1988): C. oblongifolia f. brevipes.
- subsp. mauiensis (Rock) T.G. Lammers in *Syst. Bot.*, 13(4): 500 (1988): C. oblongifolia var. mauiensis.
- pluriflora H. St. John in *Phytologia*, 63(5): 351 (1987)—Hawaiian Is.
- samuelii
- subsp. hanaensis (H. St. John) T.G. Lammers in *Syst. Bot.*, 13(4): 500 (1988): C. hanaensis.
- spatulata H. St. John in *Phytologia*, 63(5): 352 (1987)—Hawaiian Is.
- subteralbulus H. St. John in *Phytologia*, 63(5): 352 (1987)—Hawaiian Is.
- viridis H. St. John in *Phytologia*, 63(5): 352 (1987)—Hawaiian Is.
- waikoluensis H. St. John in *Phytologia*, 63(5): 352 (1987)—Hawaiian Is.

**CLERODENDRUM** (Verbenac.).

- buchananii (Roxb.) W.G. Walpers, *Repert. Bot. Syst.*, 4: 108 (1845): *Volkameria buchananii*.†
- chinense (Osbeck) D.J. Mabberley, *Plant-book*: 707 (1989 reprint): *Cryptanthus chinensis*.
- cuneiforme H.N. Moldenke in *Phytologia*, 59(2): 119 (1986), nom. nov.; C. cuneatum Gürke.
- grayi A.A. Munir in *J. Adelaide Bot. Gard.*, 11(2): 166 (1989)—Australia (Queensland).
- heterophyllum
- f. baueri (Mold.) A.A. Munir in *J. Adelaide Bot. Gard.*, 11(2): 117 (1989): C. heterophyllum var. baueri.
- japonicum
- f. album (Poi) H.N. Moldenke in *Phytologia*, 61(5): 332 (1986): C. japonicum var. album.
- kaempferi
- f. album (Poi) H.N. Moldenke in *Phytologia*, 58(3): 196 (1985), without basionym ref.; et in *Phytologia*, 61(6): 398 (1986), with basionym ref.: C. japonicum var. album.
- laevifolium
- var. pubiflorum Bakh. ex H.N. Moldenke in *Phytologia*, 61(7): 461 (1987)—Borneo (Sarawak), Java, Sumatra.
- longiflorum
- var. glabrum A.A. Munir in *J. Adelaide Bot. Gard.*, 11(2): 120 (1989)—Australia (Queensland, N. Terr.), New Guinea (Papua New Guinea).
- melanophyllum (S. Moore) S. Moore in *J. Bot.*, 45: 93 (1907): *Premna melanophyllum*.
- revolutum J. Bosser in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 341 (1987 publ. 1988)—Madagascar.
- tatei (F. Muell.) A.A. Munir in *J. Adelaide Bot. Gard.*, 11(2): 143 (1989): *Strobilanthes tatei*.
- tomentosum
- var. lanceolatum (F. Muell.) A.A. Munir in *J. Adelaide Bot. Gard.*, 11(2): 157 (1989): C. lanceolatum.
- trichanthum J. Bosser in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 344 (1987 publ. 1988)—Madagascar.
- trichotomum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 578 (1784)—Japan.†

**CLEYERA** (Theac.).

- velutina B. Bartholomew in *Phytologia*, 64(6): 457 (1988)—Mexico.

**CLIBADIUM** (Compos.).

- rimachii H. Robinson in *Phytologia*, 65(1): 50 (1988)—Peru.
- zarucchi H. Robinson in *Phytologia*, 65(1): 51 (1988)—Colombia.

**CLIDEMIA** (Melastomatac.).

- andersonii J.J. Wurdack in *Mem. New York Bot. Gard.*, 51: 104 (1989)—Venezuela.
- ayangannensis J.J. Wurdack in *Brittonia*, 39(2): 161 (1987)—Guyana.
- foreroi J.J. Wurdack in *Phytologia*, 64(4): 300 (1988)—Colombia.
- granvillei J.J. Wurdack in *Brittonia*, 39(2): 163 (1987)—French Guiana.

**CLIDEMIA** :-

- hammellii F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(5): 140 (1989)—Costa Rica, Panama, Colombia.  
 marahuacensis J.J. Wurdack in *Mem. New York Bot. Gard.*, 51: 104 (1989)—Venezuela.  
 rubra (Aubl.) G. Don f in *Loud., Hort. Brit.*: 174 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Basionym not stated.  
 venosa (Gleason) J.J. Wurdack in *Brittonia*, 39(2): 164 (1987): *Henriettella venosa*.

**CLIMACOPTERA** (Chenopodiaceae).

- sect. *Amblyostegia* U. Prato, *Rod Climacoptera Botsch.*: 25 (1986).  
 sect. *Brachyphylla* Iljin ex U. Prato, *Rod Climacoptera Botsch.*: 23 (1986).  
 subsect. *Crassae* U. Prato, *Rod Climacoptera Botsch.*: 38 (1986).  
 subsect. *Glabrae* U. Prato, *Rod Climacoptera Botsch.*: 46 (1986).  
 sect. *Heterotricha* Iljin ex U. Prato, in *Rod Climacoptera Botsch.*: 24 (1986).  
 subsect. *Lanatae* U. Prato, *Rod Climacoptera Botsch.*: 43 (1986).  
 subsect. *Oppositifoliae* U. Prato, *Rod Climacoptera Botsch.*: 26 (1986).  
 sect. *Oxyphyllae* U. Prato, *Rod Climacoptera Botsch.*: 47 (1986).  
 subsect. *Transoxanae* U. Prato, *Rod Climacoptera Botsch.*: 29 (1986).  
 sect. *Ulotricha* U. Prato, *Rod Climacoptera Botsch.*: 19 (1986).  
 czelekenica U. Prato, *Rod Climacoptera Botsch.*: 21 (1986)—U.S.S.R. (Middle Asia).  
 naryensis U. Prato, *Rod Climacoptera Botsch.*: 36 (1986)—U.S.S.R. (Middle Asia).  
 oxyphylla U. Prato, *Rod Climacoptera Botsch.*: 47 (1986)—U.S.S.R. (Middle Asia).  
 pjataevae U. Prato, *Rod Climacoptera Botsch.*: 26 (1986)—U.S.S.R. (Middle Asia).  
 ptiloptera U. Prato, *Rod Climacoptera Botsch.*: 44 (1986)—U.S.S.R. (Middle Asia).  
 susamyrica U. Prato, *Rod Climacoptera Botsch.*: 34 (1986)—U.S.S.R. (Middle Asia).  
 tyshchenkoii U. Prato, *Rod Climacoptera Botsch.*: 32 (1986)—U.S.S.R. (Middle Asia).  
 ustjurtensis U. Prato, *Rod Climacoptera Botsch.*: 27 (1986)—U.S.S.R. (Middle Asia).  
 vachschii Künz. & U. Prato in U. Prato, *Rod Climacoptera Botsch.*: 30 (1986)—U.S.S.R. (Middle Asia).

**CLINOPODIUM** (Labiata).

- calamintha (L.) C.A. Stace in *Watsonia*, 17(4): 443 (1989): *Melissa calamintha*.  
 grandiflorum (L.) C.A. Stace in *Watsonia*, 17(4): 443 (1989): *Melissa grandiflora*.  
 menthifolium (Host) C.A. Stace in *Watsonia*, 17(4): 443 (1989): *Calamintha menthifolia*.  
 multicaule  
 var. *yakusimense* (Masamune) T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 107 (1987): *Satureja yakusimensis*.  
 vulgare  
 var. *neogaeum* (Fern.) C.F. Reed in *Phytologia*, 63(5): 412 (1987): *Satureja vulgaris* var. *neogaea*.

**CLITORIA** (Legumin.).

- ser. *Americana* P.R. Fantz in *Madroño*, 35(1): 30 (1988).  
 sect. *Mexicana* P.R. Fantz in *Madroño*, 35(1): 29 (1988).  
 ser. *Tucumania* P.R. Fantz in *Madroño*, 35(1): 30 (1988).  
 falcata  
 var. *glabrescens* (Verdc.) P.R. Fantz in *Moscossa*, 6: 158 (1990): *C. rubiginosa* var. *glabrescens*.  
 f. *heteromorpha* (Griseb.) P.R. Fantz in *Moscossa*, 6: 157 (1990): *C. glycinoides* f. *heteromorpha*.  
 guianensis  
 f. *imperfecta* P.R. Fantz in *Moscossa*, 6: 159 (1990)—Venezuela, Cuba.  
 laurifolia  
 f. *glabrior* (Benth.) P.R. Fantz in *Moscossa*, 6: 161 (1990): *C. cajanifolia* f. *glabrior*.  
 steyermarkii P.R. Fantz in *Ann. Missouri Bot. Gard.*, 76(4): 1165 (1989)—Venezuela.

**CLITORIA** :-

- ternatea  
 f. *albiflora* (Voigt) P.R. Fantz in *Moscossa*, 6: 164 (1990): *C. ternatea* var. *albiflora*.  
 f. *fasciculata* P.R. Fantz in *Moscossa*, 6: 164 (1990)—Jamaica.  
 var. *pleniflora* P.R. Fantz in *Moscossa*, 6: 164 (1990)—Hispaniola (Dominican Republic, Haiti), Cuba, Leeward Is., Windward Is., Puerto Rico.

**CLOWESIA** (Orchidaceae).

- dodsoniana E. Aguirre León in *Orquídea (México)*, 10(1): 192 (1986)—Mexico.

**CLUSIA** (Guttif.).

- cylindrica B.E. Hammel in *Selbyana*, 9(1): 112 (1986)—Costa Rica, Nicaragua, Panama.  
 duartei B. Maguire in *Moscossa*, 4: 215 (1986)—Venezuela.  
 troncosii B. Maguire in *Moscossa*, 4: 215 (1986)—Venezuela.

**CLYMENIA** (Rutac.).

- platypoda B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 223 (1985)—New Guinea (W. Irian).

**CNESTIS** (Connarac.).

- bomiensis R.H.M.J. Lemmens in *Agric. Univ. Wageningen Pap.*, 89(6): 179 (1989)—Liberia.  
 uncata R.H.M.J. Lemmens in *Agric. Univ. Wageningen Pap.*, 89(6): 228 (1989)—Gabon.

**CNICUS** (Compos.).

- altaicus (Spreng.) Trev., *Ind. Sem. Wratislav.*: 2 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.  
 diacantha (Lab.) C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 73 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984): Basionym not stated.  
 semipunctinatus Hort. Gott. ex Hornem., *Hort. Hafn., Suppl.*: 93 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.

**CNIDIUM** (Umbellif.).

- kamelinii V.M. Vinogradova in *Novosti Sist. Vyssh. Rast.*, 25: 122 (1988)—Mongolia.  
 nullivittatum K.T. Fu in *Fl. Tsinlingensis*, 1(3): 460, 415 (1981)—China.  
 sinchianum K.T. Fu in *Fl. Tsinlingensis*, 1(3): 459, 415 (1981)—China.

**CNIDOSCULUS** (Euphorbiac.).

- urens  
 subsp. *adenophilus* (Pax & K. Hoffm.) G. Breckon in *Ann. Missouri Bot. Gard.*, 75(3): 1114 (1988): *Jatropha adenophila*.

**COCCINIA** (Cucurbitac.).

- diversifolia Naud. ex Huber, *Cat. Print.* 1864: 6 (1864); cf. D.J. Mabberley in *Taxon*, 34(3): 452 (1985)—Locality not stated.  
 grandis  
 var. *wightiana* (Roem.) I. Grebenščikov in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 2: 929 (1986): *C. wightiana*.  
 mackeenii Naud. ex Huber, *Cat. Print.* 1865: 5 (1865); *Wochenschrift*, 8: 52 (1865); cf. D.J. Mabberley in *Taxon*, 34(3): 452 (1985)—Locality not stated.

**COCCOCYPSELUM** (Rubiaceae).

- apurensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(2): 398 (1987)—Venezuela.  
 croatii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 106 (1987)—Venezuela.  
 huberi J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 657 (1987)—Venezuela.

**COCCOLOBA** (Polygonac.).

- caravellae C. Sastre & J.P. Fiard in *Phytologia*, 67(5): 417 (1989)—Windward Is.  
 ecuadorensis J. Brandbyge in *Nordic J. Bot.*, 9(2): 205 (1989)—Ecuador.  
 liportizii J. Gómez-Laurito & N. Zamora in *Phytologia*, 62(1): 7 (1987)—Costa Rica.

**COCCOLOBA** :-

- porphyrostachys J. Gómez-Laurito in *Brenesia*, 31: 121 (1989 publ. 1990)—Costa Rica.  
 trollii J. Brandbyge in *Nordic J. Bot.*, 9(2): 206 (1989)—Bolivia.

**COCCOTHRINAX** (Palmae).

- fagildei A. Borhidi & O. Muñiz in *Acta Bot. Hung.*, 31(1-4): 227 (1985)—Cuba.  
 trinitensis A. Borhidi & O. Muñiz in *Acta Bot. Hung.*, 31(1-4): 228 (1985)—Cuba.

**COCCULUS** (Menispermaceae).

- hirsutus (L.) W. Theobald in *F. Mason, Burmah*, ed. 3, 2: 657 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Menispermum hirsutum*.  
 prainianus (Diels) A. Pramanik & K. Thothathri in *Kew Bull.*, 42(3): 706 (1987): *Pericampylus prainianus*.

**COCHLEANTHES** (Orchidaceae).

- palatina K. Senghas in *Orchidee*, 41(3): 96 (1990)—Bolivia.

**COCHLEARIA** (Crucif.).

- aragonensis  
 subsp. *navarrana* (P. Montserrat) R. Vogt in *Mitt. Bot. Staatssamm. München*, 23: 416 (1987): *C. aragonensis* var. *navarrana*.  
 megalosperma (Maire) R. Vogt in *Mitt. Bot. Staatssamm. München*, 23: 399 (1987): *C. glastifolia* var. *megalosperma*.  
 officinalis  
 subsp. *integrifolia* (Hartm.) I. Nordal & O.E. Stabbetorp in *Nordic J. Bot.*, 10(3): 261 (1990): *C. anglica* var. *integrifolia*.  
 subsp. *norvegica* I. Nordal & O.E. Stabbetorp in *Nordic J. Bot.*, 10(3): 261 (1990)—Norway, U.S.S.R. (European Russia).  
 pyrenaica  
 subsp. *alpina* (Babington) D.H. Dalby in *Watsonia*, 18(1): 82 (1990): *C. officinalis*  $\beta$  *alpina*.  
 rupicola D.C. Zhang & J.Z. Shao in *Acta Phytotax. Sin.*, 24(5): 404 (1986)—China.

- COCHLEARIELLA** Y.H. Zhang & R. Vogt in *Acta Bot. Bor.-Occid. Sin.*, 9(4): 224 (1989), nom. nov.: *Cochleariopsis* Y.H. Zhang (Crucif.).  
 zhejiangensis (Y.H. Zhang) Y.H. Zhang & R. Vogt in *Acta Bot. Bor.-Occid. Sin.*, 9(4): 224 (1989): *Cochleariopsis zhejiangensis*.

- COCHLEARIOPSIS** Y.H. Zhang in *Acta Bot. Yunnanica*, 7(2): 143 (1985). **CRUCIFERAE**.  
 zhejiangensis Y.H. Zhang in *Acta Bot. Yunnanica*, 7(2): 144 (1985)—China.

- CODDINGTONIA** S. Bowdich in T.E. Bowdich, *Exc. Madeira*: 260 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980). **RUBIACEAE?**  
 parasitica S. Bowdich in T.E. Bowdich, *Exc. Madeira*: 260 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980)—Gambia.

**CODIAEUM** (Euphorbiac.).

- oligogynum G. McPherson in *Fl. N. Caléd. & Dépend.*, 14: 100 (1987)—New Caledonia.  
 peltatum (Labill.) P.S. Green in *Kew Bull.*, 41(4): 1026 (1986): *Chrozophora peltata*.

**CODONOPSIS** (Campanulac.).

- bragaensis C. Grey-Wilson in *Plantsman*, 12(2): 99 (1990)—Nepal.  
 convolvulacea  
 subsp. *vinciflora* (Kom.) D.Y. Hong in *Fl. Xizangica*, 4: 582 (1985), comb. already publ. see I.K. Supp. 18: *C. vinciflora*.  
 nepalensis C. Grey-Wilson in *Plantsman*, 12(2): 99 (1990)—Nepal.  
 pinifolia (Hand.-Mazz.) C. Grey-Wilson in *Plantsman*, 12(2): 89 (1990), without basionym ref.: *C. convolvulacea* var. *pinifolia*.  
 ussuriensis  
 f. *viridiflora* J. Ôhara in *J. Phytogeogr. Taxon.*, 33(2): 72 (1985)—Japan.

**COELACHYRUM** (Gramin.).

annuum T.A. Cope & L. Boulous in *Kew Bull.*, 42(4): 919 (1987)—Egypt.

**COELESTINA** (Compos.).

superbiens Huber, *Trade Cat.*: 3 (1880); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.

**COELIDIUM** (Legumin.).

flavum R. Granby in *Nordic J. Bot.*, 7(1): 51 (1987)—South Africa (Cape Province).

**COELOGYNE** (Orchidac.).

cuprea  
var. planiscapa J.J. Wood & C.L. Chan in *Lindleyana*, 5(2): 84 (1990)—Borneo (Sabah).  
ghatakii T.K. Paul, S.K. Basu & M.C. Biswas in *J. Bombay Nat. Hist. Soc.*, 86(3): 425 (1989 publ. 1990)—India.  
longpasiaensis J.J. Wood & C.L. Chan in *Lindleyana*, 5(2): 87 (1990)—Borneo (Sabah).  
primulina G. D'A. Barretto in *Orchid Rev.*, 98(1156): 39 (1990)—Hong Kong.  
reflexa J.J. Wood & C.L. Chan in *Lindleyana*, 5(2): 87 (1990)—Borneo (Sabah).

**COELOSPERMUM** (Rubiace.).

crassifolium J.T. Johansson in *Blumea*, 32(2): 321 (1987)—New Caledonia.  
paniculatum  
var. syncarpum J.T. Johansson in *Blumea*, 33(2): 285 (1988), as 'Caelospermum'—Australia (Queensland, New South Wales).  
salomoniense (Engl.) J.T. Johansson in *Blumea*, 33(2): 281 (1988), as 'Caelospermum': Morinda salomoniensis.  
volubile (Merr.) J.T. Johansson in *Blumea*, 33(2): 281 (1988), as 'Caelospermum': Morinda volubilis.

**COFFEA** (Rubiace.).

mufindiensis  
subsp. pawekiana (Bridson) D.M. Bridson in *Kew Bull.*, 41(2): 309 (1986): C. pawekiana.  
sessiliflora D.M. Bridson in *Kew Bull.*, 41(2): 307 (1986)—Kenya.  
subsp. mwasumbii D.M. Bridson in *Kew Bull.*, 41(2): 308 (1986)—Tanzania.

**COILOSTIGMA** (Ericac.).

subgen. Anomalosepala E.G.H. Oliver in *Bothalia*, 17(2): 168 (1987).  
zeyherianum  
var. tenuifolium (Klotzsch) E.G.H. Oliver in *Bothalia*, 17(2): 167 (1987), without basionym ref. & basionym not stated, et in *Bothalia*, 18(2): 185 (1988): C. tenuifolium.

**COINCYA** (Crucif.).

cintrana (P. Cout.) A.R. Pinto da Silva in *Bol. Soc. Brot.*, 60: 153 (1987): Brassica pseudoerucastrium f. cintrana.  
mariolensis (Pau) R. Figuerola & J.B. Peris in *An. Jard. Bot. Madrid*, 44(2): 540 (1987): Sinapis mariolensis.  
monensis  
var. granatensis (O.E. Schulz) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 380 (1990): Brassicella valentina var. granatensis.  
subsp. hispida (Cav.) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 381 (1990): Eruca hispida.  
var. johnstonii (Samp.) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 378 (1990): Brassica johnstonii.  
subsp. nevadensis (Willk.) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 384 (1990): Brassica cheiranthus  $\delta$  nevadensis.  
subsp. puberula (Pau) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 383 (1990): Brassica puberula.  
subsp. recurvata (All.) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 370 (1990): Sinapis recurvata.  
var. recurvata (All.) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 375 (1990): Sinapis recurvata.  
var. setigera (Lange) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 378 (1990): Sinapis setigera.

**COINCYA** :-

rupestris  
subsp. leptocarpa (González-Albo) E.A. Leadlay in *Bot. J. Linn. Soc.*, 102(4): 364 (1990): Huttera leptocarpa.  
transtagana (Coutinho) M. Clemente & J.E. Hernández-Bermejo in *Lagascalia*, 14(1): 138 (1986): Sinapis longirostra subsp. transtagana.  
wrightii (O. Schulz) C.A. Stace in *Watsonia*, 17(4): 443 (1989): Brassicella wrightii.

**COIX** (Gramin.).

gasteenii B.K. Simon in *Austrobaileya*, 3(1): 1 (1989)—Australia (Queensland).  
lacryma-jobi  
subsp. ma-yuen (Romanet) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 498 (1987): C. ma-yuen.

**COLA** (Sterculiac.).

chlorantha F. White in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 83 (1990)—Malawi.  
cordifolia R. Brown, *Pterocymbium*: 237 (4 June 1844)—W. Tropical Africa.†  
letouzeyana B.-A. Nkongmeneck in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 7(3): 337 (1985 publ. 1986)—Cameroun.  
lizeae N. Hallé in *Bull. Mus. Nat., B. Adansonia*, Ser. 4, 9(3): 232 (1987 publ. 1988)—Gabon.

×**COLASTE** hort. in *Orchid Rev.*, 96(1136): centre page pull-out p. 8 (1988). *ORCHIDACEAE*. (Colax × Lycaste).

**COLCHICUM** (Colchicac.).

graecum K. Persson in *Willdenowia*, 18(1): 34 (1988)—Greece.  
pulchellum K. Persson in *Willdenowia*, 18(1): 30 (1988)—Greece.  
woronowii M.R. Bokeriya in *Bot. Zhurn.*, 75(2): 201 (1990)—U.S.S.R. (Caucasus).

**COLEA** (Bignoniace.).

celsiana Ten., *Cat. Ort. Bot. Nap.*: 87 (1845); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.

**COLEOCEPHALOCEREUS** (Cactac.).

subgen. Buiningia (F. Buxbaum) P.J. Braun in *Bradleya*, 6: 92 (1988): gen. Buiningia.  
diersianus P. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 39(3): 53 (1988)—Brazil.  
elongatus (Buining) P.J. Braun in *Bradleya*, 6: 92 (1988): Buiningia brevicylindrica var. elongata.

**COLEOSTACHYS** A.H.L. de Jussieu, Malpigh.

Syn.: 54 (May 1840), preprint from *Ann. Sci. Nat., Bot.*, ser. 2, 13 (August 1840). *MALPIGHIACEAE*. †

**COLEUS** (Labiata.).

osmirrhizon W. Elliot, *Fl. Andhirica*: 105 (1859), based on *Hort. malab.* 9, t. 74; cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**COLICODENDRON** (Capparac.).

breyenia (L.) Endl., *Cat. Horti Vindob.*, 2: 264 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Capparis breyenia.

**COLIGNONIA** (Nyctaginac.).

parviflora  
var. acutifolia (Heimerl) J.E. Bohlin in *Nordic J. Bot.*, 8(3): 245 (1988), without basionym page: C. glomerata var. acutifolia.  
subsp. biumbellata (Ball) J.E. Bohlin in *Nordic J. Bot.*, 8(3): 244 (1988): C. biumbellata.  
var. biumbellata (Ball) J.E. Bohlin in *Nordic J. Bot.*, 8(3): 244 (1988): C. biumbellata.  
pentoptera J.E. Bohlin in *Nordic J. Bot.*, 8(3): 247 (1988)—Ecuador.

**COLLAEA** (Legumin.).

paraguariensis (Hassler) R.C. García in *Bol. Soc. Argent. Bot.*, 26(1-2): 136 (1989): Galactia speciosa f. paraguariensis.

**COLLINSIA** (Scrophulariac.).

parviflora  
var. grandiflora (Dougl. ex Lindl.) F.R. Ganders & G.R. Krause in *Madroño*, 33(1): 69 (1986): C. grandiflora.

**COLLOMIA** (Polemoniace.).

renacta E. Joyal in *Brittonia*, 38(3): 243 (1986)—U.S.A. (Oregon, Nevada).

**COLOCASIA** (Arac.).

esculenta  
var. rupicola (Haines) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 454 (1990): C. antiquorum var. rupicola.  
var. stolonifera (Haines) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 454 (1990): C. antiquorum var. stolonifera.

**COLOGANIA** (Legumin.).

cordata Fearing ex R. McVaugh, *Fl. Novo-Galiciana*, 5: 356 (1987)—Mexico.  
parviflora V.M. Badillo in *Ernstia*, 52: 9 (1989)—Venezuela.

**COLOMBOBALANUS** K.C. Nixon & W.L. Crepet

in *Amer. J. Bot.*, 76(6): 840 (1989). *FAGACEAE*.  
excelsa (Lozano, Hdz.-C. & Henao) K.C. Nixon & W.L. Crepet in *Amer. J. Bot.*, 76(6): 841 (1989): Trigonobalanus excelsa.

**COLONA** (Tiliac.).

hamannii H. Riedl & C. Riedl-Dorn in *Linz. Biol. Beitr.*, 17(2): 333 (1985)—Thailand.

**COLUBRINA** (Rhamnac.).

nicholsonii A.E. van Wyk & B.D. Schrire in *S. Afr. J. Bot.*, 52(4): 379 (1986)—South Africa (Cape Province).

**COLUMNEA** (Gesneriac.).

incredibilis L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 253 (1988)—Colombia.

**COLURIA** (Rosac.).

longifolia  
f. uniflora T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 22 (1990)—China.  
omciensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 19 (1990)—China.  
var. nanzhengensis Yü & T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 20 (1990)—China.

**×COLYCEA** J. Fernández Casas & A. Susanna de la

Serna in *Fontqueria*, 2: 21 (1982). *COMPOSITAE*. (Colymbada × Jacea).  
valdesii-bermejoi (Fdez. Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982), without basionym page: Centaurea × valdesii-bermejoi.

**×COLYMBACOSTA** (Compos.).

genesii-lopezii (Fdez. Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982), without basionym page: Centaurea × genesii-lopezii.

**COLYMBADA** (Compos.).

ambiensis (Graells) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 19 (1982): Centaurea ambiensis.  
var. tentudaica (Rivas Goday) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 19 (1982): Centaurea toletana subsp. tentudaica.  
×andresiana (Fdez. Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea × andresiana.  
borjae (Valdés Bermejo & Rivas Goday) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea borjae.  
carolipauana (Fdez. Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea carolipauana.  
×ceballosii (Fdez. Casas) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea × ceballosii.



**COLYMBADA** :-

- lagascana (Graells) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea lagascana.
- lainzii (J. Fernández Casas) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 21 (1982): Centaurea lainzii.
- × losana (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea × losana.
- mariana (Nyman) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 19 (1982): Centaurea mariana.
- × tatayana (Fdez. Casas & Susanna) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea × tatayana.
- toletana
- var. argencillensis (Gredilla) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 19 (1982): Centaurea argencillensis.
- × zubiæ (Pau) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 2: 20 (1982): Centaurea × zubiæ.

**COMACLINIUM** (Compos.).

- montanum (Benth.) J.L. Strother in *Sida*, 11(4): 377 (1986): Clomenocoma montana.

**COMAROSTAPHYLIS** (Ericac.).

- arbutoides
- subsp. costaricensis (Small) G.M. Diggs in *Brittonia*, 38(4): 344 (1986): C. costaricensis.
- discolor
- subsp. macvaughii G.M. Diggs in *Bull. Torrey Bot. Club*, 115(3): 204 (1988)—Mexico.
- subsp. manantlanensis G.M. Diggs in *Bull. Torrey Bot. Club*, 115(3): 205 (1988)—Mexico.
- subsp. rupestris (Rob. & Seaton) G.M. Diggs in *Brittonia*, 38(4): 345 (1986): Arctostaphylos rupestris.
- macvaughii (Diggs) L.M. González Villarreal in *Acta Bot. Mex.*, 9: 31 (1990): C. discolor subsp. macvaughii.
- polifolia
- subsp. minor (Small) G.M. Diggs in *Brittonia*, 38(4): 346 (1986): C. minor.
- spinulosa (Mart. & Gal.) G.M. Diggs in *Brittonia*, 38(4): 347 (1986): Arctostaphylos spinulosa.
- subsp. glandulifera G.M. Diggs in *Brittonia*, 38(4): 348 (1986)—Mexico.

**COMBRETUM** (Combretac.).

- mkuzense J.D. Carr & E. Retief in *Bothalia*, 19(1): 38 (1989)—South Africa (Natal).
- petrophilum E. Retief in *Bothalia*, 16(1): 44 (1986)—South Africa (Transvaal).

**COMMELINA** (Commelinac.).

- ciliata T.D. Stanley in *Austrobaileya*, 3(2): 238 (1990), nom. nov.: C. acuminata Ewart & McLennan.
- clandestina Mart., *Hort. Reg. Monac. Sem.*, 1839; *Linnaea* 14, Lit.: 133 (?1841); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- debilis Ledeb., *Enum. Pl. Hort. Bot. Dorp.*, Suppl. I: 2 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 441 (1984)—Locality not stated.
- mathewsii (C.B. Clarke) R.B. Faden & D.R. Hunt in *Ann. Missouri Bot. Gard.*, 74(1): 122 (1987): Phaeosphaerion mathewsii.
- pubescens Hornem., *Hort. Hafn.*: 950 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.
- reticulata T.D. Stanley in *Austrobaileya*, 3(2): 235 (1990)—Australia (W. Australia).
- rufipes
- var. glabrata (D.R. Hunt) R.B. Faden & D.R. Hunt in *Ann. Missouri Bot. Gard.*, 74(1): 122 (1987): Commelinopsis glabrata.
- taiwaniana S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4: *Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 211 (1980)—Taiwan.
- tricarinata T.D. Stanley in *Austrobaileya*, 3(2): 236 (1990)—Australia (N. Terr., Queensland).

**COMMICARPUS** (Nyctaginac.).

- hiranensis M. Thulin in *Nordic J. Bot.*, 10(4): 403 (1990)—Somali Republic.
- lantsangensis D.Q. Lu in *Acta Bot. Bor.-Occid. Sin.*, 8(2): 126 (1988)—China, Xizang.
- mistum M. Thulin in *Nordic J. Bot.*, 10(4): 405 (1990)—Kenya, Somali Republic, Ethiopia, Saudi Arabia, Yemen, South Yemen.
- parviflorum M. Thulin in *Nordic J. Bot.*, 10(4): 408 (1990)—Somali Republic.
- ramosissimus M. Thulin in *Nordic J. Bot.*, 10(4): 408 (1990)—Somali Republic.
- somalensis (Chiov.) J.P. Lebrun & A.L. Stork in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(2): 215 (1989): Selinocarpus somalensis.

**COMMIPHORA** (Burserac.).

- angustata (Wr. ex Griseb.) M. Moncada Ferrera in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(1): 5 (1989): Bursera angustata.
- glauca (Griseb.) M. Moncada Ferrera in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(1): 5 (1989): Bursera glauca.
- inaguensis (Britt.) M. Moncada Ferrera in *Rev. Jard. Bot. Nacion. Univ. Habana*, 10(1): 5 (1989), without basionym page: Bursera inaguensis.

**COMOLIOPSIS** J.J. Wurdack in *Acta Bot. Venezuel.*, 14(3): 23 (1984). MELASTOMATACEAE.

- neblinae J.J. Wurdack in *Acta Bot. Venezuel.*, 14(3): 23 (1984)—Venezuela.

**COMPARETTIA** (Orchidac.).

- coccinea
- var. longicalcarata T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 4: 4 (1986)—Peru, Bolivia.
- falcata
- var. paulensis (Cogn.) I. Bock in *Orchidee*, 37(5): 203 (1986): C. paulensis.
- × maloi I. Bock in *Orchidee*, 37(6): 262 (1986)—Ecuador. (C. falcata × speciosa).

**COMPONEURA** (Myristicac.).

- rigidifolia W.A. Rodrigues in *Brittonia*, 41(2): 160 (1989)—Panama.
- schultesiana W.A. Rodrigues in *Brittonia*, 41(2): 161 (1989)—Colombia.

**CONANTHERA** (Tecophilaeac.).

- alba J. Grau in *Mitt. Bot. Staatssamml. München*, 28: 619 (1989)—Chile.
- sabulosa P. Ravenna in *Phytologia*, 64(4): 288 (1988)—Chile.
- tenella (Sw. ex Kunth) P. Ravenna in *Phytologia*, 64(4): 289 (1988): Cumingia tenella.
- urceolata P. Ravenna in *Phytologia*, 64(4): 288 (1988)—Chile.

**CONICOSIA** (Aizoac.).

- subgen. Herrea (Schwantes) H.D. Ihlenfeldt & M. Gerbaulet in *Bot. Jahrb.*, 111(4): 482 (1990): gen. Herrea.
- pugioniformis
- subsp. alborosea (L. Bolus) H.D. Ihlenfeldt & M. Gerbaulet in *Bot. Jahrb.*, 111(4): 484 (1990): C. alborosea.
- subsp. muirii (N.E. Br.) H.D. Ihlenfeldt & M. Gerbaulet in *Bot. Jahrb.*, 111(4): 485 (1990): C. muirii.

**CONNARUS** (Connarac.).

- gabonensis R.H.M.J. Lemmens in *Agric. Univ. Wageningen Pap.*, 89(6): 250 (1989)—Gabon.

**CONOPHYTUM** (Aizoac.).

- sect. Minuscula (Schwantes) Tischer ex S.A. Hammer in *Bradleya*, 6: 104 (1988): C. Reihe Minuscula.
- sect. Pellucida (Schwantes) Tischer ex S.A. Hammer in *Bradleya*, 6: 104 (1988): C. Reihe Pellucida.
- sect. Saxetana (Schwantes) S.A. Hammer in *Bradleya*, 6: 104 (1988): C. Reihe Saxetana.
- sect. Tuberculata (Schwantes) Tischer ex S.A. Hammer in *Bradleya*, 6: 104 (1988): C. Reihe Tuberculata.
- sect. Wettsteinia (Schwantes) Tischer ex S.A. Hammer in *Bradleya*, 6: 104 (1988): C. Reihe Wettsteinia.
- achabense S. Hammer in *Cact. Succ. J. (U.S.A.)*, 60(5): 217 (1988)—South Africa (Cape Province).

**CONOPHYTUM** :-

- armianum S. Hammer in *Aloe*, 25(1): 10 (1988)—South Africa (Cape Province).
- buysianum A.R. Mitchell & S. Hammer in *Aloe*, 25(2): 34 (1988)—South Africa (Cape Province).
- ernstii S. Hammer in *Cact. Succ. J. (U.S.A.)*, 60(6): 262 (1988)—South Africa (Cape Province).
- lindenianum M. Lavis & S. Hammer in *Cact. Succ. J. (U.S.A.)*, 61(1): 3 (1989)—South Africa (Cape Province).
- rugosum S. Hammer in *Cact. Succ. J. (U.S.A.)*, 61(6): 285 (1989)—South Africa (Cape Province).
- subsp. sanguineum S. Hammer in *Cact. Succ. J. (U.S.A.)*, 62(1): 25 (1990)—South Africa (Cape Province).

**CONOSTALIX** (Krzl.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 659 (1981): Dendrobium sect. Conostalix (Orchidac.).†

- calcaratum F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 659 (1981), as 'comb. nov.' but is nom. nov. for *Dendrobium calcaratum* Lindley 1840 non A. Richard 1834 (Orchidac.).†

**CONOSTEGIA** (Melastomatac.).

- fragrantissima F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(15): 327 (1990)—Panama.
- muriculata F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(15): 330 (1990)—Panama, Costa Rica.
- orbeliana F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(15): 333 (1990)—Panama.

**CONOSTEPHIUM** (Epacridac.).

- marchantiorum A. Strid in *Willdenowia*, 16(1): 178 (1986)—Australia (W. Australia).
- uncinatum P.G. van der Moezel in *Nuytsia*, 6(1): 48 (1987)—Australia (W. Australia).

**CONOSTOMIUM** (Rubiace.).

- gazense B. Verdcourt in *Fl. Zambes.*, 5(1): 103 (1989)—Mozambique.

**CONOSTYLIS** (Haemodorac.).

- subgen. Androstemma (Lindley) S.D. Hopper in *Fl. Australia*, 45: 456 (1987): gen. Androstemma.
- subgen. Bicolorata S.D. Hopper in *Fl. Australia*, 45: 456, 67 (1987).
- subgen. Brachycaulon (Benth.) S.D. Hopper in *Fl. Australia*, 45: 457 (1987): C. sect. Brachycaulon.
- sect. Divaricata S.D. Hopper in *Fl. Australia*, 45: 457, 102 (1987).
- subgen. Greenia (Geer.) S.D. Hopper in *Fl. Australia*, 45: 457 (1987): C. sect. Greenia.
- subgen. Pendula S.D. Hopper in *Fl. Australia*, 45: 457, 86 (1987).
- aculeata
- subsp. cygnorum S.D. Hopper in *Fl. Australia*, 45: 457, 71 (1987)—Australia (W. Australia).
- subsp. echinissima S.D. Hopper in *Fl. Australia*, 45: 458, 74 (1987)—Australia (W. Australia).
- subsp. gracilis S.D. Hopper in *Fl. Australia*, 45: 458, 71 (1987)—Australia (W. Australia).
- subsp. septentrionora S.D. Hopper in *Fl. Australia*, 45: 458, 74 (1987)—Australia (W. Australia).
- subsp. spinuligera (F. Muell. ex Benth.) S.D. Hopper in *Fl. Australia*, 45: 458 (1987): C. spinuligera.
- albescens S.D. Hopper in *Fl. Australia*, 45: 458, 66 (1987)—Australia (W. Australia).
- angustifolia S.D. Hopper in *Fl. Australia*, 45: 458, 108 (1987)—Australia (W. Australia).
- argentea (J. Green) S.D. Hopper in *Fl. Australia*, 45: 459 (1987): C. androstemma subsp. argentea.
- candicans
- subsp. calcicola S.D. Hopper in *Fl. Australia*, 45: 459, 76 (1987)—Australia (W. Australia).
- subsp. flavifolia S.D. Hopper in *Fl. Australia*, 45: 459, 77 (1987)—Australia (W. Australia).
- subsp. procumbens S.D. Hopper in *Fl. Australia*, 45: 459, 77 (1987)—Australia (W. Australia).
- cantiata S.D. Hopper in *Fl. Australia*, 45: 459, 95 (1987)—Australia (W. Australia).
- caricina
- subsp. elachys S.D. Hopper in *Fl. Australia*, 45: 460, 98 (1987)—Australia (W. Australia).
- crassinerva
- subsp. absens S.D. Hopper in *Fl. Australia*, 45: 460, 94 (1987)—Australia (W. Australia).

**CONOSTYLIS** :-

- dielsii*  
*subsp. teres* S.D. Hopper in *Fl. Australia*, 45: 460, 106 (1987)—Australia (W. Australia).
- festuaceae*  
*subsp. filifolia* (F. Muell.) S.D. Hopper in *Fl. Australia*, 45: 460 (1987): C. *filifolia*.
- hiemalis* S.D. Hopper in *Fl. Australia*, 45: 460, 106 (1987)—Australia (W. Australia).
- latens* S.D. Hopper in *Fl. Australia*, 45: 461, 95 (1987)—Australia (W. Australia).
- lepidospermoides* S.D. Hopper in *Fl. Australia*, 45: 461, 80 (1987)—Australia (W. Australia).
- micrantha* S.D. Hopper in *Fl. Australia*, 45: 461, 92 (1987)—Australia (W. Australia).
- pauciflora*  
*subsp. euryrhipis* S.D. Hopper in *Fl. Australia*, 45: 461, 80 (1987)—Australia (W. Australia).
- resinosa* S.D. Hopper in *Fl. Australia*, 45: 461, 106 (1987)—Australia (W. Australia).
- rogeri* S.D. Hopper in *Fl. Australia*, 45: 462, 101 (1987)—Australia (W. Australia).
- seminuda* S.D. Hopper in *Fl. Australia*, 45: 462, 106 (1987)—Australia (W. Australia).
- seorsiflora*  
*subsp. longissima* S.D. Hopper in *Fl. Australia*, 45: 462, 86 (1987)—Australia (W. Australia).
- subsp. trichophylla* S.D. Hopper in *Fl. Australia*, 45: 462, 86 (1987)—Australia (W. Australia).
- setigera*  
*subsp. dasys* S.D. Hopper in *Fl. Australia*, 45: 463, 89 (1987)—Australia (W. Australia).
- teretifolia*  
*subsp. planescens* S.D. Hopper in *Fl. Australia*, 45: 463, 92 (1987)—Australia (W. Australia).
- tomentosa* S.D. Hopper in *Fl. Australia*, 45: 463, 108 (1987)—Australia (W. Australia).

**CONSOLIDA** (Ranunculac.).

- sect. Aconitella* (Spach) M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 101 (1990): gen. *Aconitella*.
- ser. Pubescentes* C. Blanché, J. Molero & J. Simón in *Saussurea*, 18: 9 (1987).
- hispanica* (Costa) W. Greuter & Burdet in *Willdenowia*, 19(1): 43 (1989): *Delphinium hispanicum*.
- kandaharica* M. Iranshahr in *Pl. Syst. Evol.*, 155(1-4): 56 (1987)—Afghanistan.
- lorestanica* M. Iranshahr in *Pl. Syst. Evol.*, 155(1-4): 55 (1987)—Iran.

**CONVALLARIA** (Convallariac.).

- sibirica* (Delar.) Ker in *J. Sci. Arts*, 1: 182 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): *Polygonatum sibiricum*.
- spicata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 334 (1784)—Japan.†

**CONVOLVULUS** (Convolvulac.).

- affinis* (Endl.) J.H. Maiden in *Proc. Linn. Soc. New S. Wales*, 28(4): 711 (1903 publ. 1904), nom. illegit. non Scheele 1848: *Calystegia affinis*.
- americanus* (Sims) J.W. Loud., *Lad. Fl. Gard. Arn. Perenn.*, 2: 98 (1844); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.
- bentira* F. Buchanan-Hamilton ex L.W. Dillwyn, *Rev. Hortus Malab.*: 61 (1839); fide D.J. Mabberley in *Taxon*, 26(5-6): 533 (1977)—India.
- cujanensis* S. Bowdich in T.E. Bowdich, *Exc. Madeira*: 252 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980)—Gambia.
- dissectus* (Willd.) Endl., *Cat. Horti Vindob.*, 2: 65 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.
- edulis* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 203 (1784)—Japan.†
- eyreanus* R.W. Johnson in *Austrobaileya*, 2(4): 408 (1987)—Australia (S. Australia).
- flexuosus* R. Brown in C.L. von Buch, *Phys. Besch. Canar. Ins.*: 193 (1825), nom. illegit. later homonym of Spreng. (1824); fide D.J. Mabberley in *Bot. Macaronesica*, 6: 62 (1980)—Madeira.
- japonicus* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 200 (1784)—Japan.†
- microsepalus* R.W. Johnson in *Austrobaileya*, 2(4): 410 (1987)—Australia (S. Australia).

**CONVOLVULUS** :-

- ocularis* (Bartl.) Endl., *Cat. Horti Vindob.*, 2: 64 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.
- sogdianus* A. Bunge, *Beitr. Fl. Russl.*: 219 (1852)—U.S.S.R. (Middle Asia).†
- trinervius* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 201 (1784)—Japan.†
- tujantauensis* G.K. Kinzikaeva in *Fl. Tadzhikskoi SSR*, 7: 524, 334 (1984)—U.S.S.R. (Middle Asia).
- verecundus*  
*subsp. waitaha* W.R. Sykes in *New Zealand J. Bot.*, 25(1): 154 (1987)—New Zealand.
- willdenowii* Dehnh., *Cat. Pl. Hort. Camald.*: 10 (1829); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.

**CONYZA** (Compos.).

- brevipetiolata* (Muschler) S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 175 (1990): *Microglossa brevipetiolata*.
- kahuzica* S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 176 (1990)—Zaire.
- vernonioides*  
*subsp. arborea* (R.E. Fries) S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 176 (1990): *Nidorella arborea*.

**×COOKARA** hort. in *Orchid Rev.*, 97(1149): centre page pull-out p. 8 (1989). **ORCHIDACEAE**. (Broughtonia × Cattleya × Diacrium × Laelia).**COPAIFERA** (Legumin.).

- camibara* L.J. Poveda, N. Zamora & P.E. Sánchez-Vindas in *Brenesia*, 31: 117 (1989 publ. 1990)—Costa Rica.
- venezuelana*  
*var. laxa* N. Xena de Enrech & M.T.K. Arroyo in *Acta Bot. Venezuel.*, 14(2): 264 (1983)—Venezuela.

**COPIAPOA** (Cactac.).

- atacamensis*  
*var. calderana* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 98 (1989), contrary to Art. 57 ICBN (1988): C. *calderana*.
- cinerascens*  
*var. grandiflora* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 100 (1989): C. *grandiflora*.
- cinerea*  
*var. eremophila* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 106 (1989): C. *eremophila*.
- var. gigantea* (Backeberg) N.P. Taylor in *Bradleya*, 5: 92 (1987): C. *gigantea*.
- var. tenebrosa* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 106 (1989): C. *tenebrosa*.
- coquimbana*  
*var. alticostata* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 108 (1989): C. *alticostata*.
- var. fiedleriana* (Schumann) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 108 (1989): *Echinocactus fiedlerianus*.
- var. pendulina* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 108 (1989): C. *pendulina*.
- var. pseudocoquimbana* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 108 (1989): C. *pseudocoquimbana*.
- var. vallenarensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 108 (1989): C. *vallenarensis*.

*dealbata*

- var. carrizalensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 112 (1989): C. *carrizalensis*.
- f. gigantea* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 112 (1989): C. *carrizalensis* var. *gigantea*.
- desertorum*  
*var. hornilloensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 114 (1989): C. *hornilloensis*.

**COPIAPOA** :-

- var. rubriflora* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 114 (1989), contrary to Art. 57 ICBN (1988): C. *rubriflora*.
- var. rupestris* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 114 (1989), contrary to Art. 57 ICBN (1988): C. *rupestris*.
- echinoides*  
*var. cuprea* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 116 (1989): C. *cuprea*.
- humilis*  
*var. esmeraldana* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 118 (1989): C. *esmeraldana*.
- var. longispina* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 118 (1989): C. *longispina*.
- var. paposoensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 118 (1989), basionym invalid: C. *paposoensis*.
- var. taltalensis* (Werd.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 118 (1989): *Echinocactus taltalensis*.
- hypogaea*  
*var. laui* (Diers) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 120 (1989), as 'lauii': C. *laui*.
- marginata*  
*var. bridgesii* (Pfeiffer) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 124 (1989): *Echinocactus bridgesii*.
- megarhiza*  
*var. echinata* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 126 (1989): C. *echinata*.

**COPROSMA** (Rubiace.).

- huttoniana* P.S. Green in *Kew Bull.*, 45(2): 249 (1990)—Lord Howe Is.
- nephelephila* J. Florence in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 3 (1986)—Marquesas Is.
- niphophila* A.E. Orchard in *Brunonia*, 9(2): 134 (1987)—Australia (New South Wales), New Zealand.
- perpusilla*  
*subsp. subantarctica* A.E. Orchard in *Brunonia*, 9(2): 133 (1987)—Macquarie Is., New Zealand.
- reticulata* J. Florence in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 6 (1986)—Marquesas Is.
- waima* A.P. Druce in *New Zealand J. Bot.*, 27(1): 119 (1989)—New Zealand.

**COPTIS** (Ranunculac.).

- chinensis*  
*var. angustiloba* W.Y. Kong in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 109 (1988)—China.

**CORALLODISCUS** (Gesneriac.).

- flabellatus*  
*var. luteus* (Craib) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 237 (1990): *Didissandra lutea*.
- var. puberulus* K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 437 (1988)—China, Xizang.
- var. sericeus* (Craib) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 236 (1990): *Didissandra sericea*.
- lanuginosus*  
*var. minuta* (Haines) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 328 (1990): *Didissandra lanuginosa* var. *minuta*.
- plicatus*  
*var. lineatus* (Craib) K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 243 (1990): *Didissandra lineata*.

**CORALLORHIZA** (Orchidac.).

- anandae* C.L. Malhotra & B. Balodi in *Bull. Bot. Surv. India*, 26(1-2): 108 (1984 publ. 1985)—India.

**CORCHOROPSIS** (Tiliac.).

- tomentosa*  
*var. micropetala* Y.T. Chang in *Acta Phytotax. Sin.*, 24(1): 23 (1986)—China.
- var. tomentosicarpa* P.L. Chiu & G.R. Zhong in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 106 (1988)—China.

**CORCHORUS** (Tiliac.).

- brevicornutus *K. Vollesen in Kew Bull.*, 41(4): 957 (1986)—Ethiopia, Tanzania.  
 deccanensis *H.B. Singh & M.V. Viswanathan in Taxon*, 39(2): 341 (1990), nom. nov.: *C. velutinus Pardeshi*.  
 japonicus *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 501 (1784)—Japan.†  
 velutinus *V.N. Pardeshi in Indian Bot. Rep.*, 1(1): 63 (1982)—India.

**CORDIA** (Boraginac.).

- subgen. *Myxa* *N. Taroda in Rev. Brasil. Bot.*, 9(1): 39 (1986 publ. 1987).  
 sect. *Superbiflorae* *N. Taroda in Rev. Brasil. Bot.*, 9(1): 40 (1986 publ. 1987).  
 anisophylla *J.S. Miller in Ann. Missouri Bot. Gard.*, 75(2): 466 (1988)—Panama.  
 bullata  
   subsp. *humilis* (Jacq.) *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 189 (1987): *Varronia humilis*.  
 cabanayensis *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 72 (1987)—Venezuela.  
 cardenasiana *J.S. Miller in Ann. Missouri Bot. Gard.*, 74(3): 672 (1987)—Guatemala.  
 correae *J.S. Miller in Ann. Missouri Bot. Gard.*, 75(2): 471 (1988)—Panama.  
 crenata  
   subsp. *meridionalis* *A.M. Warfa in Nordic J. Bot.*, 8(6): 617 (1989)—Kenya, Uganda, Somali Republic, Tanzania.  
 croatii *J.S. Miller in Ann. Missouri Bot. Gard.*, 75(2): 471 (1988)—Panama, Costa Rica.  
 dardanoi *N. Taroda in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 111 (1986), as 'dardani'—Brazil.  
 dentata *J.L.M. Poiré in Lamarck, Encycl. Meth., Bot.*, 7: 48 (1806)—Netherlands Antilles.  
 gentryi *J.S. Miller in Ann. Missouri Bot. Gard.*, 76(2): 595 (1989)—Colombia.  
 guacharaca *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 147 (1987)—Venezuela.  
 harleyi *N. Taroda in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 128 (1986)—Brazil.  
 ignea  
   var. *aurantiaca* *Alain H. Liogier in Phytologia*, 64(5): 346 (1988)—Hispaniola (Dominican Republic).  
 lasseri *Agostini ex J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 95 (1987)—Venezuela.  
 lesliae *J.S. Miller in Ann. Missouri Bot. Gard.*, 75(2): 484 (1988)—Panama.  
 leucomalloides *N. Taroda in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 125 (1986)—Brazil.  
 liesneri *J.S. Miller in Ann. Missouri Bot. Gard.*, 74(3): 670 (1987)—Costa Rica.  
 longipetiolata *A.M. Warfa in Nordic J. Bot.*, 9(3): 251 (1989)—Kenya.  
 macvaughii *J.S. Miller in Syst. Bot.*, 11(4): 579 (1986)—Mexico.  
 mandimbana *E.S. Martins in Garcia de Orta, Ser. Bot.*, 9(1–2): 71 (1987 publ. 1988)—Mozambique.  
 mayoi *N. Taroda in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 129 (1986)—Brazil.  
 meridensis *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 76 (1987)—Venezuela.  
 sangrinaria *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 222 (1987)—Venezuela.  
 sipapoi *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 67 (1987)—Venezuela.  
 stenostachya *Killip ex J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 243 (1987)—Venezuela.  
 steyermarkii *J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 200 (1987)—Venezuela.  
 tacarcunensis *J.S. Miller in Ann. Missouri Bot. Gard.*, 75(2): 495 (1988)—Panama.  
 torrei *E.S. Martins in Garcia de Orta, Ser. Bot.*, 9(1–2): 71 (1987 publ. 1988)—Mozambique.  
 williamsii *Agostini ex J. Gaviria in Mitt. Bot. Staatssamml. München*, 23: 134 (1987)—Venezuela.

**CORDYLANTHUS** (Scrophulariac.).

- eremicus  
   subsp. *kernensis* *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 91 (1986)—U.S.A. (California).

**CORDYLANTHUS** :—

- kingii  
   subsp. *densiflorus* *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 81 (1986)—U.S.A. (Utah).  
   var. *densiflorus* (*Chuang & Heckard*) *N.D. Atwood in S.L. Welsh et al., Utah Fl. (Great Basin Nat. Mem. 9)*: 572 (1987): *C. kingii* subsp. *densiflorus*.  
   subsp. *helleri* (*Ferris*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 81 (1986): *Adenostegia helleri*.  
 pilosus  
   subsp. *hansenii* (*Ferris*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 66 (1986): *Adenostegia hansenii*.  
   subsp. *trifidus* (*Robinson & Greenman*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 68 (1986): *C. pilosus* var. *trifidus*.  
 rigidus  
   subsp. *involutus* (*Wiggins*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 47 (1986): *C. involutus*.  
   subsp. *littoralis* (*Ferris*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 42 (1986): *Adenostegia littoralis*.  
   subsp. *setigerus* *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 43 (1986)—U.S.A. (California), Mexico.  
 tenuis  
   subsp. *barbatus* *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 58 (1986)—U.S.A. (California).  
   subsp. *capillaris* (*Pennell*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 60 (1986): *C. capillaris*.  
   subsp. *pallenscens* (*Pennell*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 55 (1986): *C. pallenscens*.  
   subsp. *viscidus* (*T. Howell*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 56 (1986): *Adenostegia viscida*.  
 wrightii  
   subsp. *kaibabensis* *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 87 (1986)—U.S.A. (Arizona).  
   subsp. *tenuifolius* (*Pennell*) *T.I. Chuang & L.R. Heckard, Syst. Evol. Cordylanthus* (Syst. Bot. Monog., 10): 86 (1986): *C. tenuifolius*.

**CORDYLINE** (Agavac.).

- cernua (*Jacq.*) *Endl., Cat. Horti Vindob.*, 1: 149 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): Basionym not stated.  
 ferrea (*L.*) *Endl., Cat. Horti Vindob.*, 1: 149 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): Basionym not stated.  
 marginata (*Lam.*) *Endl., Cat. Horti Vindob.*, 1: 148 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): *Dracaena marginata*.  
 petiolaris (*Domin*) *L. Pedley in Fl. Australia*, 46: 220 (1986): *C. terminalis* var. *petiolaris*.  
 reflexa (*Lam.*) *Endl., Cat. Horti Vindob.*, 1: 148 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): *Dracaena reflexa*.

**COREOCARPUS** (Compos.).

- parthenioides  
   var. *involutus* (*E.L. Greene*) *E.B. Smith in Syst. Bot.*, 14(4): 470 (1989): *C. involutus*.

**COREOPSIS** (Compos.).

- queretarensis *B.L. Turner in Brittonia*, 38(2): 168 (1986)—Mexico.

**CORISPERMUM** (Chenopodiace.).

- ladakhianum *C. Grey-Wilson & B.M. Wadhwa in Kew Bull.*, 42(2): 471 (1987)—India.  
 lehmannianum *A. Bunge, Beitr. Fl. Russl.*: 282 (1852)—U.S.S.R. (Middle Asia).†  
 maynense *M.S. Ignatov in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(3): 112 (1986)—U.S.S.R. (Soviet Far East).  
 ochotense *M.S. Ignatov in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(3): 113 (1986)—U.S.S.R. (Soviet Far East).

**CORISPERMUM** :—

- spicatum *Schweigg., Enum. Pl. Hort. Bot. Regiom.*: 27 (1812); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.

**CORNUS** (Cornac.).

- sect. *Japonicae* (*Nakai*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 44 (1987): *Cynoxylon* subsect. *Japonicae*.  
 subgen. *Oblongaria* (*Wanger.*) *K.Y. Wang in Guihaia*, 10(2): 123 (1990), without full basionym ref.: Basionym not stated.  
 subgen. *Sinocornus* *Q.Y. Xiang in Acta Phytotax. Sin.*, 25(2): 128 (1987).  
 subgen. *Syncarpea* (*Nakai*) *Q.Y. Xiang in Acta Phytotax. Sin.*, 25(2): 128 (1987): *Benthamia* subgen. *Syncarpea*.  
 canadensis  
   f. *semivirescens* *J. Cayouette in Nat. Canad.*, 113(4): 333 (1986)—Canada (Quebec).  
 capitata  
   subsp. *angustata* (*Chun*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 40 (1987): *C. kousa* var. *angustata*.  
   subsp. *brevipedunculata* (*Fang & Hsieh*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 39 (1987): *Dendrobenthamia brevipedunculata*.  
   subsp. *emeiensis* (*Fang & Hsieh*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 39 (1987): *Dendrobenthamia emeiensis*.  
 hongkongensis  
   subsp. *elegans* (*Fang & Hsieh*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 43 (1987): *Dendrobenthamia elegans*.  
   subsp. *ferruginea* (*Wu*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 44 (1987): *C. ferruginea*.  
   subsp. *gigantea* (*Hand.-Mazz.*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 43 (1987): *C. hongkongensis* var. *gigantea*.  
   var. *jinyunensis* (*Fang & W.K. Hu*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 43 (1987): *Dendrobenthamia jinyunensis*.  
   subsp. *melanotricha* (*Pojark.*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 42 (1987): *Cynoxylon melanotricha*.  
   subsp. *tonkinensis* (*Fang*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 42 (1987): *Dendrobenthamia tonkinensis*.  
 japonica *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 159 (1784)—Japan.†  
 kousa  
   subsp. *chinensis* (*Osborn*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 46 (1987): *C. kousa* var. *chinensis*.  
   var. *leucotricha* (*Fang & Hsieh*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 47 (1987): *Dendrobenthamia japonica* var. *leucotricha*.  
 multinervosa (*Pojark.*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 47 (1987): *Cynoxylon multinervosa*.  
 poliophylla  
   var. *microphylla* *L.C. Wang & X.G. Sun in Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 47 (1990)—China.  
 schindleri  
   subsp. *poliophylla* (*Schneid. & Wanger.*) *Q.Y. Xiang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 135 (1989): *C. poliophylla*.  
 ulotricha  
   var. *leptophylla* *W.K. Hu ex P.C. Li in Fl. Xizangica*, 3: 528 (1986)—Xizang.

**CORONILLA** (Legumin.).

- aurantiaca (*J. Rohlena*) *A.W. Hill in Index Kewensis, Supp.* 6: 53 (1916–1920 publ. 1926): *C. vaginalis* var. *aurantiaca*.  
 moravica *A. Chrtková & E. Stavělová in Folia Geobot. Phytotax.*, 21(3): 325 (1986)—Czechoslovakia.  
 somalensis *M. Thulin in Nordic J. Bot.*, 8(5): 485 (1989)—Somali Republic.  
 valentina  
   subsp. *speciosa* (*Uhrová*) *Quézel & Santa ex W. Greuter & Burdet in Willdenowia*, 16(2): 442 (1987): *C. speciosa*.





**CORYDALIS** :-

- subsp. oligantha* (Trinajstić) W. Greuter & Burdet in *Willdenowia*, 19(1): 38 (1989): Bulbocapnos *solida* subsp. *oligantha*.  
*spicata* M. Lidén in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 18(6): 528 (1989)—Nepal.  
*stipulata* M. Lidén in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 18(6): 522 (1989)—Nepal.  
*tangutica* G.A. Peshkova in *Bot. Zhurn.*, 75(1): 87 (1990), nom. nov.: *C. pauciflora* var. *latiloba* Maxim.  
*tauricola* (Cullen & Davis) M. Lidén in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 357 (1988 publ. 1989): *C. solida* subsp. *tauricola*.  
*tenuicalcarata* C.Y. Wu & T.Y. Shu in *Fl. Xizangica*, 2: 307 (1985)—Xizang.  
*terraccina* M. Lidén in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 18(6): 522 (1989)—Nepal.  
*tianzhuensis* M.S. Yan & C.Y. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 21 (1989)—China.  
*tibetoalpina* C.Y. Wu & T.Y. Shu in *Fl. Xizangica*, 2: 294 (1985), as 'tibeto-alpina'—Xizang.  
*tibetoooppositifolia* C.Y. Wu & T.Y. Shu in *Fl. Xizangica*, 2: 299 (1985), as 'tibeto-oppositifolia'—Xizang.  
*triternatifolia* C.Y. Wu in *Acta Bot. Yunnanica*, 12(3): 280 (1990), nom. nov.: *C. triternata* Franch.  
*udokanica* G.A. Peshkova in *Bot. Zhurn.*, 75(1): 87 (1990)—U.S.S.R. (Siberia).  
*uncinata* M. Lidén in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 18(6): 520 (1989)—Nepal.  
*uncinatifolia* M. Lidén in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 18(6): 520 (1989)—Nepal.  
*wendelboi* M. Lidén in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 355 (1988 publ. 1989)—Turkey.  
*yanhusuo* W.T. Wang in *Acta Bot. Yunnanica*, 7(3): 269 (1985)—China.

**CORYLOPSIS** (Hamamelidac.).

- glabrescens*  
*var. gotoana* (Makino) T. Yamanaka in *Acta Phytotax. Geobot.*, 37(4-6): 104 (1986): *C. gotoana*.  
*f. gotoana* (Makino) T. Yamanaka in *Acta Phytotax. Geobot.*, 37(4-6): 104 (1986): *C. gotoana*.  
*f. pubescens* (Nakai) T. Yamanaka in *Acta Phytotax. Geobot.*, 37(4-6): 104 (1986): *C. coreana* var. *pubescens*.  
*gotoana*  
*var. coreana* (Uyeki) T. Yamazaki in *J. Jap. Bot.*, 63(1): 29 (1988): *C. coreana*.  
*var. pubescens* (Nakai) T. Yamazaki in *J. Jap. Bot.*, 63(1): 29 (1988): *C. coreana* var. *pubescens*.

**CORYLUS** (Corylac.).

- heterophylla*  
*var. shenyangensis* L. Zhao & D. Chen in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1361, 251 (1988)—China.  
*kweichowensis*  
*var. brevipes* W.J. Liang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 117 (1988)—China.  
*wulingensis* Q.X. Liu & C.M. Zhang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 35 (1990)—China.

**CORYMBIUM** (Compos.).

- africanum*  
*var. fourcadei* (Hutch.) F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 637 (1990): *C. fourcadei*.  
*var. gramineum* (Burm. f.) F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 637 (1990): *C. gramineum*.  
*subsp. scabridum* (Berg.) F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 637 (1990): *C. scabridum*.  
*elsiae* F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 640 (1990)—South Africa (Cape Province).  
*glabrum*  
*var. rogersii* (Markötter) F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 639 (1990), without basionym date: *C. rogersii*.  
*laxum*  
*subsp. bolusii* F.M. Weitz in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 640 (1990)—South Africa (Cape Province).

**CORYNOSTYLIS** (Violac.).

- albiflora* Bull, *Retail List*, 54: 3 (1870); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**CORYNOTHECA** (Anthericac.).

- asperata* R.J.F. Henderson in *Fl. Australia*, 45: 473, 304 (1987)—Australia (N. Terr., W. Australia).  
*flexuosissima* R.J.F. Henderson in *Fl. Australia*, 45: 474, 304 (1987)—Australia (W. Australia).  
*licrota* R.J.F. Henderson in *Fl. Australia*, 45: 474 (1987), nom. nov.: *C. lateriflora* var. *laevisperma* Gauba.  
*micrantha*  
*var. acanthoclada* (F. Muell.) R.J.F. Henderson in *Fl. Australia*, 45: 474 (1987): *Caesia acanthoclada*.  
*var. divaricata* R.J.F. Henderson in *Fl. Australia*, 45: 474, 303 (1987)—Australia (S. Australia, W. Australia, N. Terr., Queensland).  
*var. elongata* R.J.F. Henderson in *Fl. Australia*, 45: 475, 303 (1987)—Australia (W. Australia).  
*var. gracilis* R.J.F. Henderson in *Fl. Australia*, 45: 475, 302 (1987)—Australia (W. Australia).  
*var. panda* R.J.F. Henderson in *Fl. Australia*, 45: 475, 303 (1987)—Australia (W. Australia).  
*pungens* R.J.F. Henderson in *Fl. Australia*, 45: 475, 304 (1987)—Australia (W. Australia).

**CORYPHANTHA** (Cactac.).

- salm-dyckiana*  
*var. brunnea* (Salm-Dyck) G. Unger in *Kakt. And. Sukk.*, 37(5): 86 (1986): *Mammillaria salm-dyckiana* var. *brunnea*.  
*tripugionacantha* A.B. Lau in *Cact. Suc. Mex.*, 33(1): 21 (1988)—Mexico.  
*wohlschlagerei* E. Holzeis in *Kakt. And. Sukk.*, 41(3): 52 (1990)—Mexico.

**CORYTHOPHORA** (Lecythidac.).

- rimosa*  
*subsp. rubra* S.A. Mori in *Mem. New York Bot. Gard.*, 44: 31 (1987)—French Guiana, Brazil.

**COSMEA** (Compos.).

- tenuifolia* (Lindl.) J.W. Loud., *Lad. Fl. Gard. Orn. Ann.*: 185 (1840); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): *Cosmos tenuifolia*.

**COSMIDIUM** (Compos.).

- engelmannii* Huber, *Cat. Print. 1865*: 3 (1865); *Wochenschrift*, 8: 54 (1865); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.

**COSMOS** (Compos.).

- deficiens* (Sherff) T.E. Melchert in *Phytologia*, 69(3): 190 (1990): *C. diversifolius* var. *deficiens*.  
*diversifolius*  
*var. dahlioides* (S. Wats.) T.E. Melchert in *Phytologia*, 69(3): 189 (1990): *Bidens dahlioides*.  
*landii*  
*var. achalconensis* T.E. Melchert in *Phytologia*, 69(3): 197 (1990)—Mexico.  
*pacificus* T.E. Melchert in *Phytologia*, 69(3): 213 (1990), nom. nov.: *C. caudatus* var. *exaristatus* Sherff.  
*var. chiapensis* T.E. Melchert in *Phytologia*, 69(3): 214 (1990)—Mexico.  
*sessilis*  
*var. stellatus* (Sherff) T.E. Melchert in *Phytologia*, 69(3): 197 (1990): *C. stellatus*.

**COSTUS** (Costac.).

- asteranthus* P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 307 (1990)—Peru.  
*beckii* P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 309 (1990)—Bolivia, Peru.  
*oblongus* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 291 (1989)—China, Xizang.  
*speciosus*  
*var. formosanus* (Nakai) S.S. Ying in *Quart. J. Chinese Forest.*, 21(2): 117 (1988): *C. formosanus*.  
*vargasii* P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 311 (1990)—Peru.  
*viridis* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 289 (1989)—China.

**COTINUS** (Anacardiace.).

- coggigria*  
*var. chengkouensis* Y.T. Wu in *Fl. Sichuanica*, 4: 119 (1988)—China.

**COTONEASTER** (Rosac.).

- assadii* M. Khatamsaz in *Iranian J. Bot.*, 4(1): 116 (1988)—Iran.  
*glacialis* (Hook. f. ex Wenzig) G. Panigrahi & A. Kumar in *Bull. Bot. Surv. India*, 28(1-4): 75 (1986 publ. 1988): *C. microphyllus* var. *glacialis*.  
*nivalis* (Klotz) G. Panigrahi & A. Kumar in *Bull. Bot. Surv. India*, 28(1-4): 75 (1986 publ. 1988): *C. microphyllus* var. *nivalis*.  
*parvifolius* (J.D. Hook.) G. Panigrahi & A. Kumar in *Bull. Bot. Surv. India*, 28(1-4): 67 (1986 publ. 1988): *C. bacillaris* var. *parvifolia*.

**COTTENDORFIA** (Bromeliac.).

- arachnoidea* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 9 (1984)—Venezuela.  
*geniculata*  
*var. minor* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 15 (1984)—Venezuela.  
*marahuacae* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 9 (1984)—Venezuela.

**COTYLEDON** (Crassulac.).

- acutiflora* (Andr.) Ait. f., *Epit. Hort. Kew.*: 366 (1814); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.

**COUEPIA** (Chrysobalanac.).

- amaraliae* G.T. Prance in *Fl. Neotrop.*, 9S: 72 (1989), as 'amaralae'—Brazil.  
*caratae* G.T. Prance in *Fl. Neotrop.*, 9S: 70 (1989)—Brazil.  
*caryophylloides*  
*subsp. glabra* G.T. Prance in *Fl. Neotrop.*, 9S: 72 (1989)—Brazil.  
*coarctata* G.T. Prance in *Fl. Neotrop.*, 9S: 77 (1989)—Brazil.  
*montelarensis* G.T. Prance in *Fl. Neotrop.*, 9S: 66 (1989)—Brazil.  
*scottmori* G.T. Prance in *Fl. Neotrop.*, 9S: 68 (1989)—Panama.

**COURATARI** (Lecythidac.).

- sect. Echinata* G.T. Prance in *Fl. Neotrop.*, 21(II): 123 (1990).  
*sect. Microcarpa* G.T. Prance in *Fl. Neotrop.*, 21(II): 143 (1990).

**COURSETIA** (Legumin.).

- sect. Cracca* (Benth.) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 59 (1987): gen. *Cracca*.  
*sect. Craccoides* (DC.) M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 98 (1988): *Tephrosia* sect. *Craccoides*.  
*sect. Neocracca* (O. Kuntze) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 59 (1987): gen. *Neocracca*.  
*sect. Poissonia* (Baillon) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 58 (1987): gen. *Poissonia*.  
*andina* M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 133 (1988)—Venezuela.  
*apantensis* M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 732 (1986 publ. 1987)—Nicaragua.  
*barrancana* M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 108 (1988)—Mexico.  
*cajamarcana* M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 87 (1988)—Peru.  
*caribaea* (Jacq.) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 63 (1987): *Galega caribaea*.  
*var. astragalina* (H.B.K.) M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 129 (1988): *Tephrosia astragalina*.  
*var. chiapensis* (Rydberg) M. Lavin, *Syst. Coursetia (Legumin.-Papilionoid.)* (Syst. Bot. Monog., 21): 127 (1988): *Benthmantha chiapensis*.

**COURSETIA** :-

- var. ochroleuca* (Jacquin) M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 131 (1988); Galega ochroleuca.
- var. pacifica* (M. Sousa & Lavin) M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21) 128 (1988); Cracca pacifica.
- var. sericea* (A. Gray) M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 122 (1988); Cracca edwardsii var. sericea.
- var. tomentosa* M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 124 (1988)—Mexico.
- var. trifoliolata* (Rydberg) M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 125 (1988); Benthmantha trifoliolata.
- elliptica M. Sousa S. & V.E. Rudd in *Ann. Missouri Bot. Gard.*, 73(4): 732 (1986 publ. 1987)—Costa Rica, Nicaragua.
- ferruginea (Kunth) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 63 (1987); Robinia ferruginea.
- glabella (A. Gray) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 63 (1987); Cracca edwardsii var. glabella.
- gracilis M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 137 (1988)—Ecuador.
- heterantha (Griseb.) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 64 (1987); Tephrosia heterantha.
- hidalgoana M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 105 (1988)—Mexico.
- hypoleuca (Speg.) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 63 (1987); Chioendaea hypoleuca.
- insomniifolia M. Lavin in *Madroño*, 33(3): 182 (1986)—Mexico.
- intermontana M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 135 (1988)—Colombia.
- maraniona M. Lavin, *Syst. Coursetia* (Legumin.-Papilionoid.) (Syst. Bot. Monog., 21): 88 (1988)—Peru.
- oaxacensis M. Sousa S. & V. Rudd in *Syst. Bot.*, 12(1): 108 (1987)—Mexico.
- paniculata M. Sousa S. & M. Lavin in *Syst. Bot.*, 12(1): 113 (1987)—Mexico.
- paucifoliolata M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 734 (1986 publ. 1987)—Nicaragua.
- polyphylla
- var. acutifolia* M. Sousa S. & M. Lavin in *Syst. Bot.*, 12(1): 111 (1987)—Nicaragua.
- var. breviloba* M. Sousa S. & M. Lavin in *Syst. Bot.*, 12(1): 112 (1987)—Honduras, Guatemala, Nicaragua.
- pumila (Rose) M. Lavin in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 63 (1987); Benthmantha pumila.
- robinoides M. Sousa S. & M. Lavin in *Syst. Bot.*, 12(1): 110 (1987)—Mexico.

- COURTENIA** R. Brown, *Pterocymbium*: 236 (4 June 1844). *STERCULIACEAE*. †
- afzelii R. Brown, *Pterocymbium*: 236 (4 June 1844)—Tropical Africa. †
- heterophylla R. Brown, *Pterocymbium*: 236 (4 June 1844)—Nigeria. †
- triloba R. Brown, *Pterocymbium*: 236 (4 June 1844)—W. Tropical Africa. †

**COURTOISIA** (Cyperac.).

- assimilis (Steudel) P. Maquet in *Fl. Rwanda - Spermatophytes*, 4: 630 (1988), isonym but also see *Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 265 (1988); Cyperus assimilis.

**COURTOISINA** (Cyperac.).

- assimilis (Steudel) P. Maquet in *Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 265 (1988); Cyperus assimilis.

**COUSINIA** (Compos.).

- ser. Alaciae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Albertoregelianae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).

**COUSINIA** :-

- ser. Antonowianae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Baranovianae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Boreales O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Chaetocephalae O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- ser. Congestae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- subsect. Congestiformes O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Coronatae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Costatae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- subgen. Cynaroides O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- ser. Ecoronatae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Ecostatae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Eryngioides O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Fraternellae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Glandulosae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- subgen. Hycacanthodes O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- ser. Hypopoliae O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- ser. Komarowianae O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- sect. Leiacanthos O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Leiospermae O.V. Chervina in *Bot. Zhurn.*, 73(4): 597 (1988).
- ser. Leptocephalae O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- ser. Macilentae O.V. Chervina in *Bot. Zhurn.*, 73(4): 594 (1988).
- sect. Oligoclados O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988).
- ser. Platystegiae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- subsect. Praemontanae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- ser. Pterospermae O.V. Chervina in *Bot. Zhurn.*, 73(4): 597 (1988).
- sect. Regelianae (Juz.) O.V. Chervina in *Bot. Zhurn.*, 73(4): 596 (1988); C. ser. Regelianae.
- ser. Sclerophyllae O.V. Chervina in *Bot. Zhurn.*, 73(4): 595 (1988).
- sect. Subappendiculatae O.V. Chervina in *Bot. Zhurn.*, 73(4): 597 (1988).
- aralensis A. Bunge, *Beitr. Fl. Russl.*: 178 (1852)—U.S.S.R. (Middle Asia). †
- baluchistanica K.H. Rechinger in *Anz. Österr. Akad. Wiss., Mat.-Naturwiss.*, 125: 53 (1988 publ. 1989)—Pakistan.
- gabrieljaniae A.L. Takhtadzhyan & K.G. Tamanyan in *Bot. Zhurn.*, 73(11): 1609 (1988)—U.S.S.R. (Caucasus).
- kovalevskiana O.V. Chervina in *Novosti Sist. Vyssh. Rast.*, 26: 162 (1989)—U.S.S.R. (Middle Asia).
- sefidiana (Pau) K.H. Rechinger in *An. Jard. Bot. Madrid*, 47(2): 365 (1989 publ. 1990); C. cymbolopsis var. sefidiana.
- verticillaris A. Bunge, *Beitr. Fl. Russl.*: 181 (1852)—U.S.S.R. (Middle Asia). †

**COUSSAPOA** (Cecropiac.).

- fulvescens C.C. Berg in *Brittonia*, 42(1): 59 (1990)—Colombia.
- tolimensis C.C. Berg in *Brittonia*, 42(1): 60 (1990)—Colombia.
- valaria C.C. Berg in *Brittonia*, 42(1): 62 (1990)—Colombia.

**COUSSAREA** (Rubiace.).

- evoluta J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 334 (1988)—Venezuela.
- liesneri J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 967 (1989)—Venezuela.

**COUTAPORTLA** (Rubiace.).

- guatemalensis (Standley) D.H. Lorence in *Syst. Bot.*, 11(1): 210 (1986); Portlandia guatemalensis.
- pailensis J.A. Villarreal Q. in *Sida*, 12(1): 223 (1987)—Mexico.

- COWANIA** D. Don ex Tillich & Taylor, *Phil. Mag.*, 64: 374 (Nov. 1824); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981). *ROSACEAE*.

**CRACCA** (Legumin.).

- berenicea R. McVaugh, *Fl. Novo-Galiciana*, 5: 367 (1987)—Mexico.
- pacifica M. Sousa S. & M. Lavin in *Brittonia*, 38(3): 302 (1986), nom. nov.: Balboa diversifolia Liebm.

**CRAIBIODENDRON** (Ericac.).

- scleranthum (Dop) W.S. Judd in *J. Arnold Arbor.*, 67(4): 456 (1986); Nuihonia sclerantha.
- var. kwangtungense* (S.Y. Hu) W.S. Judd in *J. Arnold Arbor.*, 67(4): 457 (1986); C. kwangtungense.
- vietnamense W.S. Judd in *J. Arnold Arbor.*, 67(4): 462 (1986)—Vietnam.

**CRAMBE** (Crucif.).

- glaberrima (Burm.) Mouterde ex W. Greuter & Burdet in *Willdenowia*, 15(2): 417 (1986); C. persica var. glaberrima.
- hedgeri I.I. Khalilov in *Bot. Zhurn.*, 75(8): 1169 (1990)—Afghanistan.

**CRANICHIS** (Orchidac.).

- amplectens D.D. Dod in *Moscovia*, 4: 179 (1986)—Hispaniola (Dominican Republic).
- galatea D.D. Dod in *Moscovia*, 4: 181 (1986)—Hispaniola (Haiti).
- garayana C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 210 (1989)—Bolivia.
- pilosissima K. Senghas in *Orchidee*, 40(2): 47 (1989)—Ecuador.
- ricartii J.D. Ackerman in *Lindleyana*, 4(1): 43 (1989)—Puerto Rico.

**CRASSOCEPHALUM** (Compos.).

- crepidioides
- f. luteum* (Steen.) R.O. Belcher in *Kew Bull.*, 44(3): 540 (1989); C. crepidioides var. luteum.
- effusum (Mattf.) C. Jeffrey in *Kew Bull.*, 41(4): 907 (1986); Senecio effusus.
- heteromorphum (Hutch. & Burt) C. Jeffrey in *Kew Bull.*, 41(4): 908 (1986); Senecio heteromorphus.
- kassnerianum (Muschler) S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 179 (1990); Senecio kassnerianus.
- paludum C. Jeffrey in *Kew Bull.*, 41(4): 906 (1986)—Uganda, Kenya, Tanzania, Sudan, Rwanda, Burundi, Zaire, Zambia.
- splendens C. Jeffrey in *Kew Bull.*, 41(4): 905 (1986)—Tanzania.
- torreanum S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 178 (1990)—Zaire, Angola.

**CRASSULA** (Crassulac.).

- hunua A.P. Druce in *New Zealand J. Bot.*, 25(1): 128 (1987), nom. nov.: Tillaea pusilla Kirk.
- manaia A.P. Druce & W.R. Sykes in *New Zealand J. Bot.*, 26(3): 477 (1988)—New Zealand.
- mataikona A.P. Druce in *New Zealand J. Bot.*, 25(1): 128 (1987), nom. nov.: Tillaea debilis Hook. f.
- qaatlhambensis B.J. Hargreaves in *Excelsa*, 14: 71 (1989), without latin descr.—Lesotho.
- ruamahanga A.P. Druce in *New Zealand J. Bot.*, 25(1): 128 (1987), nom. nov.: Tillaea acutifolia Kirk.
- tetramera (Toelken) A.P. Druce & W.R. Sykes in *New Zealand J. Bot.*, 25(1): 128 (1987); C. sieberiana subsp. tetramera.

**CRATAEGUS** (Rosac.).

- ser. Lacrimatae J.B. Phipps in *Taxon*, 37(1): 113 (1988).
- beipiaogensis S.L. Tung & X.J. Tian in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 99 (1988)—China.
- cuneata
- var. shangnanensis* L. Mao & T.C. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 61 (1990)—China.

**CRATAEGUS :-**

- f. tang-chungchangii* (Metcalfe) Y.T. Chang in *Fl. Fujianica*, 2: 317 (1985): *C. tang-chungchangii*.  
*curvisepala*  
*nothovar. angustiloba* T. Petauer in *Biol. Vestn.*, 28(2): 79 (1980 publ. 1981)—Yugoslavia.  
*nothovar. latiloba* T. Petauer in *Biol. Vestn.*, 28(2): 79 (1980 publ. 1981)—Yugoslavia.  
*nothovar. naviculiformis* T. Petauer in *Biol. Vestn.*, 28(2): 79 (1980 publ. 1981)—Yugoslavia.  
*var. quadriloba* T. Petauer in *Biol. Vestn.*, 28(2): 77 (1980 publ. 1981)—Yugoslavia.  
*subsp. zlatnensis* T. Petauer in *Biol. Vestn.*, 28(2): 77 (1980 publ. 1981)—Yugoslavia.  
*dodgei*  
*var. flavida* (Sarg.) P.G. Smith & J.B. Phipps in *Canad. J. Bot.*, 65(12): 2665 (1987): *C. flavida*.  
*glabra* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 465 (1784)—Japan.†  
*kaussmanniana* R. Doll in *Arch. Freunde Naturgesch. Mecklenburg*, 19: 13 (1981)—Germany.  
*laevis* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 465 (1784)—Japan.†  
*monogyna*  
*subsp. acutiloba* (Kerner) T. Baranec in *Biología, A (Czechoslovakia)*, 38(9): 857 (1983), without basionym page: *C. monogyna* var. *acutiloba*.  
*var. plesiveensis* (Hrab.-Uhr.) T. Baranec in *Biología, A (Czechoslovakia)*, 38(9): 861 (1983): *C. monogyna* subsp. *plesiveensis*.  
*nivea* Host ex Ten., *Cat. Ort. Bot. Nap.*: 23 (1845); cf. *D.J. Mabberley in Taxon*, 32(1): 84 (1983)—Locality not stated.  
*rosiformis*  
*nothosubsp. zlatnensis* (Petauer) M. Kerguelen & J. Lambinon in *Lejeunia*, 120: 75 (1987): *C. curvisepala* subsp. *zlatnensis*.  
*secreta* J.B. Phipps in *Sida*, 14(1): 15 (1990)—U.S.A. (Texas).  
*shandongensis* F.Z. Li & W.D. Peng in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 149 (1986)—China.  
*turnerorum* M. Enquist in *Phytologia*, 68(4): 298 (1990)—U.S.A. (Texas).  
*villosa* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 465 (1784)—Japan.†

**CRATEROSTIGMA** (Scrophulariac.).

- alatum* F.N. Hepper in *Kew Bull.*, 42(4): 945 (1987)—Kenya.  
*longicarpum* F.N. Hepper in *Kew Bull.*, 42(4): 945 (1987)—Kenya, Ethiopia, Tanzania.

**CREMANTHODIUM** (Compos.).

- ser. Glauca* Y. Ling & S.W. Liu in *Fl. Reipubl. Popul. Sin.*, 77(2): 140 (1989), nom. nov.: *C. ser. Heliantha* Ling & S.W. Liu.  
*ser. Oblongata* Y. Ling & S.W. Liu in *Fl. Reipubl. Popul. Sin.*, 77(2): 145 (1989), nom. nov.: *C. ser. Pinnatinervus* Ling & S.W. Liu.  
*botrycephalum* S.W. Liu in *Fl. Xizangica*, 4: 850 (1985)—Xizang.  
*brunneopilosum* S.W. Liu in *Fl. Xizangica*, 4: 851 (1985), as 'brunneo-pilosum'—Xizang.  
*conense* S.W. Liu in *Fl. Xizangica*, 4: 845 (1985)—Xizang.  
*coriaceum* S.W. Liu in *Fl. Reipubl. Popul. Sin.*, 77(2): 165 (1989), nom. nov.: *Senecio scytophyllus* Diels.  
*ellisii* (Hook. f.) S.W. Liu in *Fl. Xizangica*, 4: 854 (1985), comb. already publ. see I.K. Supp. 18: *Werneria ellisii*.  
*var. roseum* (Hand.-Mazz.) S.W. Liu in *Fl. Reipubl. Popul. Sin.*, 77(2): 162 (1989): *C. plantagineum* f. *roseum*.  
*glandulopilosum* Y.L. Chen in *Fl. Xizangica*, 4: 852 (1985)—Xizang.  
*heterocephalum* Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 50 (1988)—China.  
*hirtiflorum* S.W. Liu in *Fl. Xizangica*, 4: 850 (1985)—Xizang.  
*laciniatum* Ling & Y.L. Chen in *Fl. Xizangica*, 4: 855 (1985)—Xizang.  
*lingulatum* S.W. Liu in *Fl. Xizangica*, 4: 849 (1985)—Xizang.  
*microphyllum* S.W. Liu in *Fl. Xizangica*, 4: 856 (1985)—Xizang.  
*nervosum* S.W. Liu in *Fl. Xizangica*, 4: 847 (1985)—Xizang.

**CREMANTHODIUM :-**

- obovatum* Ling & S.W. Liu in *Fl. Xizangica*, 4: 852 (1985)—Xizang.  
*phyllodineum* S.W. Liu in *Fl. Xizangica*, 4: 844 (1985)—Xizang.  
*pinnatisectum* (Ludlow) Y.L. Chen & S.W. Liu in *Fl. Xizangica*, 4: 841 (1985): *C. campanulatum* var. *pinnatisectum*.  
*plantagineum*  
*var. ramosum* (Ling) Ling & S.W. Liu in *Fl. Xizangica*, 4: 853 (1985): *C. discoideum* subsp. *ramosum*.  
*puberulum* S.W. Liu in *Fl. Xizangica*, 4: 848 (1985)—Xizang.  
*trilobum* S.W. Liu in *Fl. Xizangica*, 4: 847 (1985)—Xizang.  
*yadongense* S.W. Liu in *Fl. Xizangica*, 4: 847 (1985)—Xizang.

**CREMASTOSPERMA** (Annonac.).

- macrocarpum* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 253 (1986)—Venezuela.  
*panamense* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 254 (1986)—Panama.

**CREMASTRA** (Orchidac.).

- appendiculata*  
*var. variabilis* (Blume) I.D. Lund in *Nordic J. Bot.*, 8(2): 201 (1988): *Hyacinthorchis variabilis*.

**CREMNOPHYTON** S. Brullo & P. Pavone in *Candollea*, 42(2): 622 (1987). **CHENOPODIACEAE**.

- lanfrancoi* S. Brullo & P. Pavone in *Candollea*, 42(2): 622 (1987)—Malta.

**×CREMNOSEDUM** M. Kimnach & G. Lyons in *Cact. Succ. J. (U.S.A.)*, 53(2): 69 (1981). **CRASSULACEAE**. (*Cremonophila* × *Sedum*).**CREMOSPERMA** (Gesneriac.).

- ecuadoranum* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 261 (1988)—Ecuador.  
*filicifolium* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 255 (1988)—Colombia.  
*hirsutissimum*  
*var. album* (C. Morton) L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 263 (1988): *C. album*.  
*var. demissum* (C. Morton) L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 263 (1988): *C. demissum*.  
*var. glabrum* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 263 (1988)—Ecuador.  
*humidum* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 265 (1988)—Ecuador, Colombia.  
*musciola* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 265 (1988)—Ecuador, Colombia.  
*reldioides* L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(3): 267 (1988)—Ecuador.

**CREPIDORHOPALON** E. Fischer in *Feddes Repert.*, 100(9–10): 443 (1989). **SCROPHULARIACEAE**.

- alatalocalycinus* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 454 (1989)—Zaire, Zambia.  
*chironioides* (Moore) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Craterostigma chironioides*.  
*damblonii* (Duvigneaud) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Lindernia damblonii*.  
*goetzei* (Engler) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Craterostigma goetzei*.  
*gracilis* (Pilger) E. Fischer in *Feddes Repert.*, 100(9–10): 443 (1989): *Craterostigma gracile*.  
*hartlii* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 453 (1989)—Zaire.  
*insularis* (Skan) E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 457 (1989): *Lindernia insularis*.  
*involutcratus* (Philcox) E. Fischer in *Feddes Repert.*, 100(9–10): 449 (1989), without basionym page: *Torenia involutcrata*.  
*latibracteatus* (Skan) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Craterostigma latibracteatum*.  
*malaissei* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 450 (1989)—Zaire.  
*manganicolus* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 455 (1989)—Zaire, Angola, Zambia.  
*membranocalycinus* E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989)—Zaire.

**CREPIDORHOPALON :-**

- schweinfurthii* (Oliver) E. Fischer in *Feddes Repert.*, 100(9–10): 443 (1989), without basionym date: *Torenia schweinfurthii*.  
*spicatus* (Engler) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Torenia spicata*.  
*symoensii* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 451 (1989)—Zaire.  
*tenuifolius* (Philcox) E. Fischer in *Feddes Repert.*, 100(9–10): 443 (1989), without basionym page: *Torenia tenuifolia*.  
*tenuis* (S. Moore) E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3–4): 457 (1989): *Lindernia tenuis*.  
*welwitschii* (Engler) E. Fischer in *Feddes Repert.*, 100(9–10): 443 (1989): *Craterostigma welwitschii*.  
*whytei* (Skan) E. Fischer in *Feddes Repert.*, 100(9–10): 444 (1989): *Lindernia whytei*.

**CREPIDOSPERMUM** (Burserac.).

- sect. Hemicrepidosperrum* (Swart) D.C. Daly in *Brittonia*, 39(1): 55 (1987): gen. *Hemicrepidosperrum*.  
*cuneifolium* (Cuatrec.) D.C. Daly in *Brittonia*, 39(1): 55 (1987): *Hemicrepidosperrum cuneifolium*.  
*prancei* D.C. Daly in *Brittonia*, 39(1): 56 (1987)—Brazil, Peru.

**CREPIS** (Compos.).

- arcuata* G. Kamari & A. Strid in *Willdenowia*, 19(1): 79 (1989)—Greece.  
*dachhigamensis* G. Singh in G. Singh & P. Kachroo, *Forest Fl. Srinagar*: 127 (1987)—India.  
*dinarica* (Beck) S. Siljak-Yakovlev & T. Wraber in *Acta Bot. Croat.*, 47: 164 (1988): *C. incarnata* var. *dinarica*.  
*lachenalia* C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 82 (1811); cf. *D.J. Mabberley in Taxon*, 33(3): 440 (1984)—Locality not stated.  
*merxmulleri* G. Kamari & P. Hartwig in *Willdenowia*, 18(1): 63 (1988)—Greece.  
*runcinata*  
*var. barberi* (Greenm.) B.L. Turner in *Phytologia*, 68(3): 166 (1990): *C. barberi*.  
*var. glauca* (Nutt.) S.L. Welsh in *Great Basin Nat.*, 43(2): 258 (1983): *Crepidium glaucum*.  
*senecioides*  
*subsp. filiformis* (Viv.) S.A. Alavi in *Fl. Libya*, 107: 419 (1983): *C. filiformis*.  
*subsp. nudiflora* (Viv.) S.A. Alavi in *Fl. Libya*, 107: 419 (1983): *C. nudiflora*.

**CRICIUMA** T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 74(1): 35 (1987). **GRAMINEAE**.

- asymmetrica* T.R. Soderstrom & X. Londoño in *Amer. J. Bot.*, 74(1): 35 (1987)—Brazil.

**CRINUM** (Amaryllidac.).

- asiaticum*  
*var. pedunculatum* (R. Br.) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1–2): 131 (1987): *C. pedunculatum*.  
*belleyi* F. Hérincq, *Horticulteur Français*, 7: 241, t. 19 (1857)—Paraguay.  
*biflorum* Rottb., *Pl. Hort. Univ. Rar. Prog.*: 12 (1773); cf. *D.J. Mabberley in Taxon*, 33(3): 439 (1984)—Locality not stated.  
*calamistratum* J. Bogner & H. Heine in *Aqua Planta*, 1987(4): 127 (1987)—Cameroun.  
*capense* Herb., *Bot. Mag.*, 47: t. 2121 5 (1820); cf. *D.J. Mabberley in Taxon*, 32(1): 87 (1983)—Locality not stated.  
*graciliflorum* Kunth & Bouché, *Ind. Sem. Hort. Bot. Berol.*, 1844: 9 (1844); *Linnaea*, 18: 499 (1845); cf. *D.J. Mabberley in Taxon*, 32(1): 84 (1983)—Locality not stated.  
*toxicarium* Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 130 (1819); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.  
*viviparum* (Lam.) R. Ansari & V.J. Nair in *J. Econ. Taxon. Bot.*, 11(1): 205 (1987 publ. 1988): *Amaryllis vivipara*.  
*var. ensifolium* (Baker) R. Ansari & V.J. Nair in *J. Econ. Taxon. Bot.*, 11(1): 205 (1987 publ. 1988): *C. ensifolium*.  
*woolliamsii* L.S. Hannibal in *Herbertia*, 43(1): 14 (1987)—New Guinea (Papua New Guinea).

**CRITESION** (Gramin.).

- brachyantherum (Nevski) W.A. Weber in *Phytologia*, 67(6): 425 (1989): *Hordeum brachyantherum*.  
 murinum  
   subsp. glaucum (Steudel) B.K. Simon in *Austrobaileya*, 2(3): 241 (1986): *Hordeum glaucum*.

**CRITONIA** (Compos.).

- wilburii R.M. King & H. Robinson in *Phytologia*, 69(2): 87 (1990)—Panama.  
 yashanalensis (Whitmore) R.M. King & H. Robinson in *Phytologia*, 69(2): 89 (1990): *Eupatorium yashanalense*.

**CRITONIOPSIS** (Compos.).

- calerana (Cuatr.) H. Robinson in *Phytologia*, 69(2): 105 (1990): *Vernonia calerana*.  
 sodiroi (Hieron.) H. Robinson in *Phytologia*, 69(2): 105 (1990): *Piptocarpha sodiroi*.  
 tamana V.M. Badillo in *Ernstia*, 53: 10 (1989)—Venezuela.  
 turmalensis V.M. Badillo in *Ernstia*, 53: 12 (1989)—Venezuela.

**CROCOSMIA** (Iridac.).

- ambogensis (H. Perrier) P. Goldblatt & J.C. Manning in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 63 (1990): *Geissorhiza ambogensis*.

**CROCUS** (Iridac.).

- ligusticus M.G. Mariotti in *Candollea*, 43(2): 674 (1988)—Italy, France.  
 rujanensis N. Randjelović & D.A. Hill in *Kew Mag.*, 7(4): 184 (1990)—Yugoslavia.  
 serotinus  
   subsp. asturicus (Herbert) M. Lainz in *Bol. Inst. Estud. Astur.*, Ser. C, 26: 6 (1980): *C. asturicus*.

**CROIZATIA** (Euphorbiac.).

- panamensis G.L. Webster in *Syst. Bot.*, 12(1): 7 (1987)—Panama, Colombia.

**CRONQUISTIANTHUS** (Compos.).

- loxensis R.M. King & H. Robinson in *Phytologia*, 65(1): 63 (1988)—Ecuador.

**CROSSANDRA** (Acanthac.).

- sect. *Dentatae* K. Vollesen in *Kew Bull.*, 45(3): 523 (1990).  
 sect. *Lobatae* K. Vollesen in *Kew Bull.*, 45(3): 531 (1990).  
 sect. *Marginatae* K. Vollesen in *Kew Bull.*, 45(3): 521 (1990).  
 arenicola K. Vollesen in *Kew Bull.*, 45(1): 126 (1990)—Somali Republic.  
 horrida K. Vollesen in *Kew Bull.*, 45(1): 128 (1990)—Somali Republic.  
 infundibuliformis  
   subsp. boranensis K. Vollesen in *Kew Bull.*, 45(1): 125 (1990)—Ethiopia, Kenya.  
   subsp. eglandulosa K. Vollesen in *Kew Bull.*, 45(1): 125 (1990)—Burundi, Zaïre.  
 praecox K. Vollesen in *Kew Bull.*, 45(1): 130 (1990)—Somali Republic.  
 pyrophila K. Vollesen in *Kew Bull.*, 45(1): 132 (1990)—Malawi, Mozambique.

**CROTALARIA** (Legumin.).

- albida  
   var. gengmanensis (Z. Wei & C.Y. Yang) C. Chen & J.Q. Li in *J. Wuhan Bot. Res.*, 6(3): 225 (1988): *C. gengmanensis*.  
 allophylla M. Thulin in *Nordic J. Bot.*, 8(5): 481 (1989)—Somali Republic.  
 avonensis K.R. DeLaney & R.P. Wunderlin in *Sida*, 13(3): 315 (1989)—U.S.A. (Florida).  
 chrysanthia Ahn & S.H. Park in *J. Korean Pl. Taxon.*, 7(1-2): 23 (1976)—Korea.  
 ferruginea  
   var. chiayiana (Liu & Lu) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 250 (1987): *C. chiayiana*.  
 intricata M. Thulin in *Nordic J. Bot.*, 8(5): 482 (1989)—Somali Republic.

**CROTALARIA** :-

- linifolia  
   var. tecta (Roth) K.K.N. Nair in K.K.N. Nair & M.P. Nayar, *Fl. Courtallum*, 1: 104 (1986): *C. tecta*.  
 mairei  
   var. pubescens C. Chen & J.Q. Li in *J. Wuhan Bot. Res.*, 6(3): 222 (1988)—China.  
 peguana  
   var. qiubeiensis (C.Y. Yang) C. Chen & J.Q. Li in *J. Wuhan Bot. Res.*, 6(3): 221 (1988): *C. qiubeiensis*.  
 sessiliflora  
   var. anthylloides (Lam.) A.A. Ansari & K. Thothathri in *J. Econ. Taxon. Bot.*, 6(3): 745 (1985): *C. anthylloides*.  
   f. garhwalensis A.A. Ansari & K. Thothathri in *J. Econ. Taxon. Bot.*, 6(3): 744 (1985)—India.  
   f. lineariformis A.A. Ansari & K. Thothathri in *J. Econ. Taxon. Bot.*, 6(3): 745 (1985)—India.  
 tenuifolia Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 151 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.  
 warfae M. Thulin in *Nordic J. Bot.*, 8(5): 484 (1989)—Somali Republic.  
 yunnanensis  
   var. heqingensis (C.Y. Yang) C. Chen & J.Q. Li in *J. Wuhan Bot. Res.*, 6(3): 226 (1988): *C. heqingensis*.

**CROTON** (Euphorbiac.).

- aceroides A. Radcliffe-Smith in *Kew Bull.*, 45(3): 555 (1990)—Mozambique.  
 acutum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 863 (1784)—Japan.†  
 billbergianus  
   subsp. pyramidalis (J.D. Smith) G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1123 (1988): *C. pyramidalis*.  
 bresolinii L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 134 (1988)—Brazil.  
 casarettianus Vis., *Ort. Bot. Padova*: 73, 137 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.  
 catharinensis L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 105 (1988)—Brazil.  
 caudatus  
   var. obovoideus N.P. Balakrishnan & T. Chakrabarty in *Bull. Bot. Surv. India*, 25(1-4): 190 (1983 publ. 1985)—India.  
 chamelensis E.J. Lott in *Brittonia*, 39(2): 302 (1987)—Mexico.  
 damayeshu Y.T. Chang in *Acta Phytotax. Sin.*, 24(2): 143 (1986)—China.  
 draco  
   subsp. panamensis (Klotzsch) G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1120 (1988): *Cyclostigma panamense*.  
 glandulosus  
   var. lundianus (F. Diederichsen) L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 90 (1988): *Podostachys lundianus*.  
 himalaicus D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 170 (1986)—India, Nepal, Assam.  
 howii Merr. & Chun ex Y.T. Chang in *Acta Phytotax. Sin.*, 27(2): 147 (1989)—Hainan.  
 inhambanensis A. Radcliffe-Smith in *Kew Bull.*, 45(3): 559 (1990)—Mozambique.  
 ituzaingensis L.Z. Ahumada in *Veröff. Geobot. Inst. Rübel*, 91: 256 (1986)—Argentina.  
 japonicus Linn.f., *Suppl. Plant. Syst. Veg.*: 422 (1782), as 'Iaponicum'—Japan.  
 landoltii L.Z. Ahumada in *Veröff. Geobot. Inst. Rübel*, 91: 252 (1986)—Argentina.  
 leuconeurus  
   subsp. mossambicensis A. Radcliffe-Smith in *Kew Bull.*, 45(3): 557 (1990)—Mozambique.  
 longipedicellatus  
   var. brevipedicellatus A. Radcliffe-Smith in *Kew Bull.*, 45(3): 557 (1990)—Zambia, Angola.  
 nubigenus G.L. Webster in *Madroño*, 35(2): 117 (1988)—Nicaragua.  
 olivaceus Y.T. Chang & P.T. Li in *Guihaia*, 8(1): 54 (1988)—Hainan.  
 pachypodus G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1119 (1988)—Panama.

**CROTON** :-

- pallidulus  
   var. myrianthus (Mueller Argoviensis) L.B. Smith & S.F. Smith in *Fl. Illustr. Catar.*, 1(Euforbiac.): 127 (1988): *C. myrianthus*.  
 polytrichus  
   subsp. brachystachyus A. Radcliffe-Smith in *Kew Bull.*, 45(3): 560 (1990)—Zambia.  
 purpurascens Y.T. Chang in *Acta Phytotax. Sin.*, 24(2): 144 (1986)—China.  
 robustus  
   var. serratus T. Chakrabarty, N.P. Balakrishnan & D. Gupta in *J. Econ. Taxon. Bot.*, 9(2): 251 (1987)—Burma.  
 santaritensis M.J. Huft in *Ann. Missouri Bot. Gard.*, 75(3): 1123 (1988)—Panama.  
 socotranus  
   var. pachyclados (A.R. Smith) A. Radcliffe-Smith in *Kew Bull.*, 44(3): 449 (1989): *C. pachyclados*.  
 speciosus  
   subsp. tacarcunensis G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1119 (1988)—Panama.  
 yanhuii Y.T. Chang in *Acta Phytotax. Sin.*, 24(2): 146 (1986)—China.  
 yunnanensis  
   var. megadontus W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 39 (1988)—China.  
 zavaletae Conzatti ex J. Rzedowski et al. in *C. Conzatti, Fl. Taxon. Mexic.*, ed. 3, 1: 846 (1988)—Mexico.

**CRUCIANELLA** (Rubiace.).

- arabica E. Schönbeck-Temesy & F. Ehrendorfer in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 143 (1986)—Saudi Arabia.  
 gilanic  
   subsp. carduchorum F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 122 (1989)—Turkey, Iraq, Iran.  
   subsp. damghanensis F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 116 (1989)—Iran.  
   subsp. demavendensis F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 109 (1989)—Iran.  
   subsp. elbursensis (Ehrend.) F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 115 (1989): *C. glauca* subsp. *elbursensis*.  
   subsp. hirsuta (Ehrend.) F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 114 (1989): *C. glauca* var. *hirsuta*.  
   subsp. nezvensis F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 110 (1989)—Iran.  
   subsp. suleimanica F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 111 (1989)—Iran.  
   subsp. transcaspica (Ehrend.) F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 125 (1989): *C. glauca* subsp. *transcaspica*.  
 platyphylla F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 165(1-2): 104 (1989)—Iran.

**CRUCIATA** (Rubiace.).

- glabra  
   f. hirticaulis (Beck) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 99 (1989): *Galium vernum* var. *hirticaule*.

**CRUPINA** (Compos.).

- crupinastrum  
   var. matae (P. Palau) Font Quer ex O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 93 (1987 publ. 1988): *C. matae*.

**CRYPTANTHA** (Boraginac.).

- cinerea  
   var. arenicola L.C. Higgins & S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986)—U.S.A. (Utah).  
   var. laxa (Macbr.) L.C. Higgins in *Great Basin Nat.*, 46(2): 255 (1986): *Oreocarya multicaulis* var. *laxa*.  
 schoolcraftii A. Tiehm in *Brittonia*, 38(2): 104 (1986)—U.S.A. (Nevada).



**CRYPTANTHUS** (Bromeliac.).

- colnagoi W. Rauh & E.M.C. Leme in *J. Bromeliad Soc.*, 39(6): 258 (1989)—Brazil.  
 leopoldo-horstii W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 68 (1988)—Brazil.  
 seidelianus W. Weber in *Feddes Repert.*, 97(3-4): 119 (1986)—Brazil.

**CRYPTOCARYA** (Laurac.).

- albifrons A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 455 (1988)—New Guinea (Papua New Guinea).  
 bamagana B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 171 (1989)—Australia (Queensland).  
 beilschmiediaefolia A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 455 (1988)—Philippine Is.  
 bellendenkerana B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 172 (1989)—Australia (Queensland).  
 calandoi A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 456 (1988)—Celebes.  
 ceramica A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 457 (1988)—Moluccas.  
 clarksoniana B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 175 (1989)—Australia (Queensland).  
 claudiana B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 176 (1989)—Australia (Queensland).  
 cocosoides B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 177 (1989)—Australia (Queensland).  
 crassinerviopsis A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 457 (1988)—Celebes.  
 darusensis A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 33 (1990)—New Guinea (Papua New Guinea).  
 dipterocarpifolia A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 34 (1990)—New Guinea (Papua New Guinea).  
 dorriensis D. Frodin ex B.P.M. Hyland & Floyd in *Austral. Syst. Bot.*, 2(2-3): 181 (1989)—Australia (New South Wales).  
 durifolia A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 458 (1988), nom. nov.: C. percoriacea Kostermans.  
 elongata A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 34 (1990)—New Guinea (Papua New Guinea, W. Irian).  
 flavisperma A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 35 (1990)—New Guinea (Papua New Guinea).  
 gigaphylla A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 458 (1988), with two types cited—Moluccas.  
 glaucocarpa B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 188 (1989)—Australia (Queensland).  
 grandis B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 188 (1989)—Australia (Queensland).  
 lancifolia A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 459 (1988)—Celebes.  
 leucophylla B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 192 (1989)—Australia (Queensland).  
 lividula B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 193 (1989)—Australia (Queensland).  
 lyoniifolia S. Lee & F.N. Wei in *Guihaia*, 8(4): 303 (1988)—China.  
 macdonaldii B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 193 (1989)—Australia (Queensland).  
 melanocarpa B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 196 (1989)—Australia (Queensland).  
 natalensis (Ross) A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 36 (1990): Beilschmiedia natalensis.  
 nova-anglica B.P.M. Hyland & Floyd in *Austral. Syst. Bot.*, 2(2-3): 198 (1989)—Australia (New South Wales).  
 onoprienkoana B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 201 (1989)—Australia (Queensland).  
 parinarifolia A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 459 (1988)—New Guinea (Papua New Guinea).  
 putida B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 203 (1989)—Australia (Queensland).  
 rhodosperma B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 204 (1989)—Australia (Queensland).  
 saccharata B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 206 (1989)—Australia (Queensland).  
 sclerophylla B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 207 (1989)—Australia (Queensland).  
 smaragdina B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 208 (1989)—Australia (Queensland).

**CRYPTOCARYA** :-

- triplinervis  
 var. pubens B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 210 (1989)—Australia (Queensland, New South Wales).  
 var. riparia B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 211 (1989)—Australia (Queensland).  
 vulgaris B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 212 (1989)—Australia (Queensland).  
 williwilliana B.P.M. Hyland & Floyd in *Austral. Syst. Bot.*, 2(2-3): 213 (1989)—Australia (New South Wales).

**CRYPTODISCUS** (Umbellif.).

- ammophilus A. Bunge, *Beitr. Fl. Russl.*: 139 (1852)—U.S.S.R. (Middle Asia).†  
 rutaefolius A. Bunge, *Beitr. Fl. Russl.*: 138 (1852)—U.S.S.R. (Middle Asia).†

**CRYPTOLEPIS** (Asclepiadac.).

- grayi P.I. Forster in *Austrobaileya*, 3(2): 279 (1990)—Australia (Queensland).  
 newii (Benth.) P.I. Forster in *Austrobaileya*, 3(2): 281 (1990): Gymnolaema newii.  
 nymanii (Schumann) P.I. Forster in *Austrobaileya*, 3(2): 275 (1990): Streptomanes nymanii.  
 papillata P.I. Forster in *Austrobaileya*, 3(2): 277 (1990)—New Guinea (Papua New Guinea).  
 pendulina (Venter & D.V. Field) P.I. Forster in *Austrobaileya*, 3(2): 280 (1990): Stomatostemma pendulina.  
 purpureus (N.E. Br.) P.I. Forster in *Austrobaileya*, 3(2): 281 (1990): Batesanthus purpureus.

**CRYPTOMERIA** (Taxodiace.).

- japonica  
 subsp. sinensis (Miq.) P.D. Sell in *Watsonia*, 18(1): 92 (1990): C. japonica var. sinensis.

**CRYPTOPUS** (Orchidac.).

- dissectus (Bossler) K. Senghas in *Schlechter Orchideen*, 1(16-18): 1019 (1986): C. elatus subsp. dissectus.

**CRYPTOSTYLIS** (Orchidac.).

- arachnites  
 var. taiwaniana (Masamune) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 622 (1988): C. taiwaniana.

**CRYPTOTAENIA** (Umbellif.).

- japonica  
 f. pinnatisecta S.L. Liou in *Acta Phytotax. Sin.*, 28(2): 152 (1990)—China.

**CTENANTHE** (Marantac.).

- amabilis (Morren) H. Kennedy & D.H. Nicolson in *Brittonia*, 39(1): 139 (1987): Stromanthe amabilis.  
 amphiandina L. Andersson in *Fl. Ecuador*, 32(224): 179 (1988)—Ecuador, Peru.  
 ericae L. Andersson in *Fl. Ecuador*, 32(224): 182 (1988)—Colombia, Ecuador.

**CTENARDISIA** (Myrsinac.).

- stenobotrys (Standley) R. Fionnegra-G. & S.L. Jung-Mendaçoli in *Hoehnea*, 12: 31 (1985): Ardisia stenobotrys.

**CUATRECASANTHUS** H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 209 (1989). **COMPOSITAE**.

- flexipappus (Gleason) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 210 (1989): Vernonia flexipappus.  
 jelskii (Hieron.) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 210 (1989): Eremanthus jelskii.  
 sandemanii (H. Robinson) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 210 (1989): Vernonia sandemanii.

**CUATRECASASIELLA** H. Robinson in *Fl. Neotrop.*, 2 Suppl.: 14 (1985). **COMPOSITAE**.

- argentina (Cabrera) H. Robinson in *Fl. Neotrop.*, 2 Suppl.: 15 (1985): Luciliopsis argentina.  
 isernii (Cuatrecasas) H. Robinson in *Fl. Neotrop.*, 2 Suppl.: 15 (1985): Luciliopsis isernii.

**CUATRESIA** (Solanac.).

- colombiana A.T. Hunziker in *Op. Bot.*, 92: 79 (1987)—Colombia.  
 exiguiiflora (D'Arcy) A.T. Hunziker in *Op. Bot.*, 92: 75 (1987): Witheringia exiguiiflora.  
 foreroi A.T. Hunziker in *Caldasia*, 15(71-75): 146 (1986)—Colombia.  
 fosteriana A.T. Hunziker in *Op. Bot.*, 92: 80 (1987)—Peru.  
 garciae A.T. Hunziker in *Op. Bot.*, 92: 76 (1987)—Colombia.  
 harlingiana A.T. Hunziker in *Op. Bot.*, 92: 75 (1987)—Ecuador.  
 riparia  
 var. cuspidata (Dunal) A.T. Hunziker in *Op. Bot.*, 92: 78 (1987): Sicklera cuspidata.  
 trianae A.T. Hunziker in *Caldasia*, 15(71-75): 143 (1986)—Colombia.

**CUCUMELLA** (Cucurbitac.).

- silentvalleyi K.S. Manilal, T. Sabu & P. Mathew in *Acta Bot. Indica*, 13(2): 283 (1985), as 'silentvalleyii'—India.

**CUCUMIS** (Cucurbitac.).

- anguria  
 subsp. longipes (J.D. Hook.) I. Grebenščikov in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl.*, Auf. 2, ed. J. Schultze-Motel, 2: 916 (1986): C. longipes.  
 conomon C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 869 (1784)—Japan.†  
 erinaceus Naud. ex Huber, *Cat. Print.* 1864: 6 (1864); cf. D.J. Mabberley in *Taxon*, 34(3): 452 (1985)—Locality not stated.  
 myriocarpus  
 subsp. leptodermis (Schweick.) L.W.D. van Raamsdonk in *Pl. Syst. Evol.*, 163(3-4): 144 (1989): C. leptodermis.

**CUCURBITA** (Cucurbitac.).

- argyrosperma Huber, *Cat. Graines* 1867: 8 (1867); *Wochenschrift*, 10: 95 (1867); cf. D.J. Mabberley in *Taxon*, 34(3): 452 (1985)—Locality not stated.  
 var. callicarpa L.C. Merrick & D.M. Bates in *Baileya*, 23(2): 97 (1989)—Cultivation.  
 var. palmeri (L.H. Bailey) L.C. Merrick & D.M. Bates in *Baileya*, 23(2): 98 (1989): C. palmeri.  
 subsp. sororia (L.H. Bailey) L.C. Merrick & D.M. Bates in *Baileya*, 23(2): 98 (1989): C. sororia.  
 var. stenosperma (Pangalo) L.C. Merrick & D.M. Bates in *Baileya*, 23(2): 96 (1989): C. mixta var. stenosperma.  
 hispida C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 868 (1784)—Japan.†  
 pepo  
 subsp. ovifera (L.) D.S. Decker in *Econ. Bot.*, 42(1): 11 (1988): C. ovifera.  
 var. texana (Scheele) D.S. Decker in *Econ. Bot.*, 42(1): 12 (1988): Tristemon texanum.

**CUDICIA** (Apocynac.).

- gyrandra Buch.-Ham. ex L.W. Dillwyn, *Rev. Hortus Malab.*: 41 (1839)—India.†

**CULCASIA** (Arac.).

- orientalis S.J. Mayo in *Fl. Trop. E. Afr.*, Arac.: 20 (1985)—Tanzania, Kenya.

**CULLEN** (Legumin.).

- badocanum (Blanco) B. Verdcourt in *Kew Bull.*, 43(2): 360 (1988): Liparia badocana.

**CUMINIA** (Labiata.).

- eriantha  
 var. fernandezia (Colla) R. Harley in *Kew Mag.*, 3(4): 155 (1986): C. fernandezia.

**CUNILA** (Labiata.).

- ramamoorthiana M.R. Garcia-Peña in *Kew Bull.*, 44(4): 727 (1989)—Mexico.

**CUPANIOPSIS** (Sapindac.).

- dallachyi S.T. Reynolds in *Fl. Australia*, 25: 199, 58 (1985)—Australia (Queensland).  
 grandiflora F. Adema in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(3): 263 (1988 publ. 1989)—New Caledonia.

**CUPANIOPSIS** :-

- mackeeana *F. Adema in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(3): 269 (1988 publ. 1989)—New Caledonia.  
 mouana *A. Guillaumin in Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 109 (1967)—New Caledonia.  
 phalacrocarpa *F. Adema in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(3): 266 (1988 publ. 1989)—New Caledonia.  
 squamosa *F. Adema in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(3): 264 (1988 publ. 1989)—New Caledonia.

**CUPHEA** (Lythrac.).

- subgen. *Bracteolatae* *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 42 (1988), nom. nov.: C. subgen. *Eucuphea* *Koehne*.  
 andersonii *S.A. Graham in Brittonia*, 42(1): 16 (1990)—Brazil.  
 boliviariensis *A. Lourteig in Phytologia*, 60(1): 30 (1986)—Venezuela.  
 caesariata *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 51 (1988)—Mexico.  
 carajasensis *A. Lourteig in Sellowia*, 39: 13 (1987)—Brazil.  
 curiosa *A. Lourteig in Phytologia*, 60(1): 38 (1986)—Venezuela.  
 cylindracea *S.A. Graham in Brittonia*, 42(1): 20 (1990)—Brazil.  
 ericoides  
   *var. paralarix* *A. Lourteig in Sellowia*, 39: 42 (1987)—Brazil.  
 ferrisiae  
   *var. rosea* *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 63 (1988)—Mexico.  
 humifusa *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 68 (1988)—Mexico.  
 killipii *A. Lourteig in Phytologia*, 60(1): 24 (1986)—Colombia.  
 lobophora  
   *var. elongata* *S.A. Graham, Revis. Cuphea Sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 104 (1988)—Mexico.  
   *var. occidentalis* *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 105 (1988)—Mexico.  
 micrantha  
   *var. longeciliata* *A. Lourteig in Sellowia*, 39: 9 (1987)—Brazil.  
 pohlii *A. Lourteig in Sellowia*, 39: 19 (1987)—Brazil.  
 radiaticaulis *A. Lourteig in Sellowia*, 39: 12 (1987)—Brazil.  
 cardonae *A. Lourteig in Phytologia*, 60(1): 42 (1986), nom. nov.: C. *rhodocalyx* *var. setosa* *Lourteig*.  
 rionegrensis *A. Lourteig in Sellowia*, 39: 38 (1987)—Brazil.  
 rubrovirens *T.B. Cavalcanti in Bol. Bot. (São Paulo)*, 11: 71 (1989), as 'rubro-virens'—Brazil.  
 sabulosa *S.A. Graham in Brittonia*, 42(1): 28 (1990)—Brazil.  
 scolnikiae *A. Lourteig in Phytologia*, 60(1): 52 (1986)—Bolivia, Brazil.  
 sessilifolia  
   subsp. *bahiensis* *A. Lourteig in Sellowia*, 39: 34 (1987)—Brazil.  
 splendida *A. Lourteig in Sellowia*, 39: 43 (1987)—Bolivia.  
 spraguei *A. Lourteig in Mutisia*, 70: 19 (1988)—Panama.  
 teleandra *A. Lourteig in Sellowia*, 39: 45 (1987)—Brazil.  
 wrightii  
   *var. alba* *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 150 (1988)—Mexico.  
   *var. meionandra* (*Koehne*) *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 151 (1988): C. *meionandra*.  
   *var. venusta* (*Koehne*) *S.A. Graham, Revis. Cuphea sect. Heterodon (Lythrac.) (Syst. Bot. Monog., 20)*: 151 (1988): C. *venusta*.

**CUPRESSUS** (Cupressac.).

- arizonica  
   subsp. *stephensonii* (*C.B. Wolf*) *R.M. Beauchamp in Phytologia*, 59(7): 438 (1986): C. *stephensonii*.  
 austrotibetica *J. Silba in Phytologia*, 65(5): 334 (1988), as 'austro-tibetica'—Xizang.  
 chengiana  
   *var. jiangensis* (*N. Chao*) *C.T. Kuan in Fl. Sichuanica*, 2: 167 (1983): C. *jiangensis*.  
 himalaica *J. Silba in Phytologia*, 64(1): 80 (1987)—Bhutan.  
   *var. darjeelingensis* *J. Silba in Phytologia*, 68(1): 29 (1990)—Cultivation.  
 lusitanica  
   *var. hondurensis* *J. Silba in Phytologia*, 68(1): 30 (1990)—Honduras.  
 madeirensis *T.E. Bowdich, Exc. Madeira*: 118 (1825); *cf. D.J. Mabberley in Bot. Macaronesica*, 6: 59 (1980)—Madeira.  
 pendula *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 861 (1784)—Japan.†

**CURCAS** (Euphorbiac.).

- adansonii *Endl., Cat. Horti Vindob.*, 2: 394 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 435 (1984)—Locality not stated.  
 drastica *Mart. in Schrank & Mart., Hort. Reg. Monac.*: 50 (1829); *cf. D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.

**CURCUMA** (Zingiberac.).

- albicomma *S.Q. Tong in Acta Bot. Yunnanica*, 8(1): 38 (1986)—China.  
 kannanorensis *R. Ansari, V.J. Nair & N.C. Nair in Curr. Sci.*, 51(6): 293 (1982)—India.  
 kannanorensis  
   *var. lutea* *R. Ansari, V.J. Nair & N.C. Nair in Curr. Sci.*, 51(6): 293 (1982)—India.  
 coriacea *J.K. Mangaly & M. Sabu in Notes Roy. Bot. Gard. Edinburgh*, 45(3): 429 (1988 publ. 1989)—India.  
 exigua *N. Liu in Guihaia*, 7(1): 15 (1987)—Cultivated in China.  
 flaviflora *S.Q. Tong in Acta Bot. Yunnanica*, 8(1): 37 (1986)—China.  
 oligantha  
   *var. lutea* (*R. Ansari, V.J. Nair & N.C. Nair*) *K.G. Bhat in Indian J. Forest.*, 10(1): 68 (1987): C. *kannanorensis* *var. lutea*.  
 peethapushpa *N. Sasidharan & V.V. Sivarajan in Notes Roy. Bot. Gard. Edinburgh*, 45(3): 425 (1988 publ. 1989)—India.  
 raktakanta *J.K. Mangaly & M. Sabu in J. Econ. Taxon. Bot.*, 12(2): 475 (1988 publ. 1989)—India.  
 vamana *Sabu M. & J.K. Mangaly in J. Econ. Taxon. Bot.*, 10(2): 307 (1987 publ. 1988)—India.  
 yunnanensis *N. Liu & S.J. Chen in Guihaia*, 7(1): 16 (1987)—Cultivated in China.

**CURTIA** (Gentianac.).

- confusa *E.H.M. Grothe & P.J.M. Maas in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(1): 42 (1984)—Brazil.  
 tenuifolia  
   subsp. *tenella* (*Martius*) *E.H.M. Grothe & P.J.M. Maas in Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(1): 40 (1984): *Schuebleria tenella*.

**CUSCUTA** (Convolvulac.).

- capitata  
   *var. varzobica* *S.Yu. Yunusov in Fl. Tadzhikskoi SSR*, 7: 525 (1984)—U.S.S.R. (Middle Asia).  
 epithymum  
   subsp. *araratica* (*Butk.*) *R.V. Kamelin in Fl. Armenii*, 7: 179 (1980): C. *araratica*.  
 lehmanniana *A. Bunge, Beitr. Fl. Russl.*: 220 (1852)—U.S.S.R. (Middle Asia).†  
 macrolepis *R.C. Fang & S.H. Huang in Fl. Xizangica*, 4: 33 (1985)—Xizang.  
 pentagona  
   *var. glabrior* (*Engelm.*) *K.N. Gandhi, R.D. Thomas & S.L. Hatch in Sida*, 12(2): 372 (1987): C. *verrucosa* *var. glabrior*.  
 planiflora  
   subsp. *godronii* (*Desmoulins*) *M. Kerguelen in Lejeunia*, 120: 75 (1987): C. *godronii*.  
 ruschanica *S.Yu. Yunusov in Fl. Tadzhikskoi SSR*, 7: 524, 356 (1984)—U.S.S.R. (Middle Asia).

**CUSCUTA** :-

- scandens  
   *var. bidentis* (*Berthiot*) *M. Kerguelen in Lejeunia*, 120: 76 (1987): C. *bidentis*.  
 violacea *M.T.M. Rajput & S.T. Syeda in Pakistan J. Bot.*, 18(1): 115 (1986), as 'violaceus'—Pakistan.

**CUSICKIELLA** *R.C. Rollins in J. Jap. Bot.*, 63(3): 68 (1988). **CRUCIFERAE**.

- douglasii (*Gray*) *R.C. Rollins in J. Jap. Bot.*, 63(3): 69 (1988): *Draba douglasii*.  
 quadricostata (*Rollins*) *R.C. Rollins in J. Jap. Bot.*, 63(3): 69 (1988): *Draba quadricostata*.

**CUSSONIA** (Araliac.).

- paniculata  
   *var. sinuata* *W.F. Reyneke & P.D.F. Kok in S. Afr. J. Bot.*, 53(5): 321 (1987)—South Africa (Transvaal, Orange Free State, Natal, Cape Province), Botswana, Swaziland, Lesotho.

**CUTANDIA** (Gramin.).

- incrassata (*Salzm. ex Loisel.*) *Battandier & Trabut, Fl. Algérie, Monocotylédones*: 238 (1895): *Festuca incrassata*.

**CUVIERA** (Rubiace.).

- subgen. *Globulostylis* (*Wernham*) *B. Verdcourt in Kew Bull.*, 42(1): 189 (1987): gen. *Globulostylis*.  
 minor (*Wernham*) *B. Verdcourt in Kew Bull.*, 42(1): 189 (1987): *Globulostylis minor*.  
 talbotii (*Wernham*) *B. Verdcourt in Kew Bull.*, 42(1): 189 (1987): *Globulostylis talbotii*.

**CYANEA** (Campanulac.).

- copelandii  
   subsp. *haleakalaensis* (*H. St. John*) *T.G. Lammers in Syst. Bot.*, 13(4): 501 (1988): C. *haleakalaensis*.  
 elliptica (*Rock*) *T.G. Lammers in Syst. Bot.*, 13(4): 501 (1988): C. *angustifolia* f. *elliptica*.  
 fissa  
   subsp. *gayana* (*Rock*) *T.G. Lammers in Syst. Bot.*, 13(4): 502 (1988): C. *gayana*.  
 grimesiana  
   subsp. *cylindrocalyx* (*Rock*) *T.G. Lammers in Syst. Bot.*, 13(4): 502 (1988): C. *grimesiana* *var. cylindrocalyx*.  
   subsp. *obatae* (*H. St. John*) *T.G. Lammers in Syst. Bot.*, 13(4): 502 (1988): C. *grimesiana* *var. obatae*.  
 hamatiflora  
   subsp. *carlsonii* (*Rock*) *T.G. Lammers in Syst. Bot.*, 13(4): 502 (1988): C. *carlsonii*.  
 hanaensis *H. St. John in Phytologia*, 62(5): 433 (1987)—Hawaiian Is.  
 macrostegia  
   subsp. *gibsonii* (*Hillebrand*) *T.G. Lammers in Syst. Bot.*, 13(4): 503 (1988): C. *gibsonii*.  
 pilosa  
   subsp. *longipedunculata* (*Rock*) *T.G. Lammers in Syst. Bot.*, 13(4): 503 (1988): C. *longipedunculata*.  
 pohaku *T.G. Lammers in Syst. Bot.*, 13(4): 503 (1988), nom. nov.: *Clermontia haleakalensis* *Rock*.  
 spathulata  
   subsp. *longipetiolata* *T.G. Lammers in Syst. Bot.*, 13(4): 504 (1988)—Hawaiian Is.  
 superba  
   subsp. *regina* (*Wawra*) *T.G. Lammers in Syst. Bot.*, 13(4): 504 (1988): *Delissea regina*.

**CYANOTIS** (Commelinac.).

- axillaris *D. Don ex Sweet, Hort. Brit.*: 430 (1827); *cf. D.J. Mabberley in Taxon*, 31(1): 70 (1982)—Locality not stated.

**CYANTHILLIUM** (Compos.).

- cordifolium (*Benth. ex Oliv.*) *H. Robinson in Phytologia*, 69(2): 106 (1990): *Gutenbergia cordifolia*.  
 polytrichomata (*Wechuisen*) *H. Robinson in Phytologia*, 69(2): 106 (1990), as 'polytrichotoma': *Gutenbergia polytrichomata*.



**CYMOPTERUS** :-

- terebinthinus  
var. petraeus (Jones) S. Goodrich in *Great Basin Nat.*, 46(1): 87 (1986); C. petraeus.

× **CYMPHIELLA** hort. in *Orchid Rev.*, 96(1132): centre page pull-out p. 8 (1988). **ORCHIDACEAE**. (Cymbidium × Eulophiella).

**CYNANCHUM** (Asclepiadac.).

- acerifolium (Lasser & Maguire) G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 119 (1977); Ditassa acerifolia.  
amplexicaule  
f. multicaurium (Chung) W.T. Lee in *J. Korean Pl. Taxon.*, 12(2): 85 (1982); C. multicaurium.  
angustifolium (Dcne.) G. Morillo in *Ernstia*, 37: 3 (1986); Ditassa angustifolia.  
avilense G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 119 (1977), nom. nov.: C. mucronatum HBK.  
barbadense (Schlechter) R.A. Howard in *Phytologia*, 65(4): 285 (1988); Metastelma barbadense.  
batangense P.T. Li in *Acta Bot. Yunnanica*, 12(1): 19 (1990)—China.  
boldinghii (Schlecht.) Van der Aa & A.L. Stoffers in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 84(3): 309 (1981); Metastelma boldinghii.  
brachystelmoides P.I. Forster in *Austrobaileya*, 2(5): 451 (1988)—Australia (Queensland, N. Terr.), New Guinea (Papua New Guinea).  
buntingii G. Morillo in *Ernstia*, 51: 2 (1989)—Venezuela.  
calicicola Alain H. Liogier in *Phytologia*, 64(5): 345 (1988), as 'calicolum'—Hispaniola (Haiti).  
californicum (Benth.) R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 26 (1989); Metastelma californicum.  
carautanum (Font. & Schw.) G. Morillo in *Ernstia*, 51: 3 (1989); Telminostelma carautanum.  
christineae P.I. Forster in *Austrobaileya*, 3(1): 112 (1989)—Australia (N. Terr.).  
colellae G. Morillo in *Ernstia*, 37: 3 (1986)—Venezuela.  
densiflorum W.D. Stevens in *Phytologia*, 64(5): 333 (1988), nom. nov.: Orthosia ecuadorensis Schlechter.  
franciscoi G. Morillo in *Ernstia*, 51: 3 (1989)—Venezuela, Colombia.  
goertsianum G. Morillo in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 161 (1988), as 'gortsianum'—French Guiana.  
guanchezii G. Morillo in *Ernstia*, 37: 5 (1986)—Venezuela.  
jenmanii G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 350 (1989 publ. 1990)—Guyana.  
julianii G. Morillo in *Ernstia*, 37: 7 (1986)—Venezuela.  
liebiana (F. Muell.) P.I. Forster in *Austrobaileya*, 3(1): 110 (1989); Tylophora liebiana.  
linearisepalum P.T. Li in *Acta Bot. Yunnanica*, 12(1): 20 (1990)—China.  
longirostrum (K. Schumann) W.D. Stevens in *Phytologia*, 64(5): 333 (1988); Diplolepis longirostrum.  
maccartii  
var. latifolium Turner ex J. Henrickson in *Sida*, 12(1): 98 (1987)—Mexico.  
martinicense (Schlechter) R.A. Howard in *Phytologia*, 65(4): 285 (1988); Metastelma martinicense.  
multinervium G. Morillo in *Ernstia*, 37: 9 (1986)—Venezuela.  
neei G. Morillo in *Ernstia*, 51: 5 (1989)—Venezuela.  
oxyphyllum (Turcz.) G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 119 (1977); Ditassa oxyphylla.  
prevostii G. Morillo in *Ernstia*, 51: 5 (1989)—French Guiana.  
pringlei (Gray) J. Henrickson in *Sida*, 12(1): 91 (1987); Metastelma pringlei.  
readii (Schlechter) R.A. Howard in *Phytologia*, 65(4): 285 (1988); Metastelma readii.  
sibiricum  
var. triangularilobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 32 (1981), without type and as 'triangulare-lobatum'—U.S.S.R. (Middle Asia).

**CYNANCHUM** :-

- sonorensis R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 26 (1989), nom. nov.: Metastelma minutiflorum Wiggins.  
stannardii G. Morillo in *Ernstia*, 51: 6 (1989)—Venezuela.  
stellatum  
var. lanceolatilobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 33 (1981), without type and as 'lanceolato-lobatum'—U.S.S.R. (Middle Asia).  
var. oblongolobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 34 (1981), without type and as 'oblongo-lobatum'—U.S.S.R. (Middle Asia).  
var. obtusilobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 32 (1981), without type and as 'obtuse-lobatum'—U.S.S.R. (Middle Asia).  
var. ovalilobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 34 (1981), without type and as 'ovalilobatum'—U.S.S.R. (Middle Asia).  
var. ovoideolobatum M.R. Rasulova & B.A. Sharipova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(83): 34 (1981), without type and as 'ovoideo-lobatum'—U.S.S.R. (Middle Asia).  
tepuianse G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 119 (1977), nom. nov.: Blepharodon ciliatum Moldenke.  
xeroneuron (Schltr.) G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 119 (1977); Ditassa xeroneura.

**CYNODON** (Gramin.).

- dactylon  
var. affinis (Caro & Sánchez) C. Romero Zarco in *Lagascalia*, 14(1): 171 (1986); C. affinis.  
subsp. nipponicus (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 498 (1987); C. dactylon var. nipponicus.

**CYNOGLOSSUM** (Boraginac.).

- afrocaeruleum (R. Mill) H. Riedl in *Linz. Biol. Beitr.*, 17(2): 320 (1985); Paracynoglossum afrocaeruleum.  
alpinum (Brand) H. Riedl in *Linz. Biol. Beitr.*, 17(2): 317 (1985), as 'sp. nov.': C. montanum var. alpinum.  
alpinum (Brand) B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 345 (1986); C. montanum var. alpinum.  
alticola O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 346 (1986)—South Africa (Cape Province), Lesotho.  
austroafricanum O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 347 (1986)—South Africa (Natal, Orange Free State).  
cheirifolium  
var. antiatlanticum J. Molero & J.M. Montserrat in *Treb. Inst. Bot. Barcelona*, 11: 25 (1987)—Morocco.  
germanicum  
subsp. pellucidum (Lapeyrouse) K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 73(1–2): 150 (1988); C. pellucidum.  
subsp. rotundum K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 73(1–2): 150 (1988)—Switzerland, Germany, Belgium, France.  
hedbergiorum H. Riedl in *Linz. Biol. Beitr.*, 17(2): 319 (1985)—Ethiopia.  
inyangense E.S. Martins in *Garcia de Orta, Ser. Bot.*, 9(1–2): 76 (1987 publ. 1988)—Zimbabwe.  
japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 187 (1784)—Japan.†  
krasniqi T. Wraber in *Candollea*, 41(1): 145 (1986)—Yugoslavia.  
macrolimbe H. Riedl in *Linz. Biol. Beitr.*, 22(1): 310 (1990)—New Guinea (Papua New Guinea).  
macrostylum A. Bunge, *Beitr. Fl. Russl.*: 236 (1852)—U.S.S.R. (Middle Asia).†  
nova-guineense H. Riedl in *Linz. Biol. Beitr.*, 22(1): 307 (1990)—New Guinea (Papua New Guinea).  
pustulatum  
subsp. parvifolium (Vis.) K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 74(1–2): 170 (1989); C. officinale var. parvifolium.  
wildii E.S. Martins in *Garcia de Orta, Ser. Bot.*, 9(1–2): 76 (1987 publ. 1988)—Zimbabwe.

**CYNOGLOTTIS** (Boraginac.).

- phocidica (L.-A. Gustavsson) J. Holub in *Preslia*, 58(4): 301 (1986); Anchusa phocidica.  
serpentinicola (Rech. f.) J. Holub in *Preslia*, 58(4): 301 (1986); Anchusa serpentinicola.

**CYNOMETRA** (Legumin.).

- lukei H.J. Beentje in *Utafiti*, 1(3): 125 (1988)—Kenya.  
macrocarpa A.S. Tavares in *Acta Amazonica*, 19: 155 (1989 publ. 1990)—Brazil.

**CYNOMORIUM** (Balanophorac.).

- coccineum  
subsp. songaricum (Rupr.) J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 304 (1986); C. songaricum.

**CYNOSURUS** (Gramin.).

- cavara F. Buchanan-Hamilton ex L.W. Dillwyn, *Rev. Hortus Malab.*: 61 (1839); fide D.J. Mabberley in *Taxon*, 26(5–6): 533 (1977)—India.

**CYPEROCHLOA** M. Lazarides & L. Watson in *Brunonia*, 9(2): 216 (1987). **GRAMINEAE**.

- hirsuta M. Lazarides & L. Watson in *Brunonia*, 9(2): 216 (1987)—Australia (W. Australia).

**CYPERUS** (Cyperac.).

- altochrysocephalus K.A. Lye in *Candollea*, 43(2): 508 (1988)—Zambia.  
austrochrysanthus K.A. Lye in *Candollea*, 43(2): 505 (1988)—Angola.  
breedlovei G.C. Tucker in *Rhodora*, 88(856): 505 (1986)—Mexico.  
macropachycephalus P. Goetghebeur in *Blumea*, 34(1): 161 (1989)—New Guinea (Papua New Guinea).  
matudae G.C. Tucker in *Rhodora*, 88(856): 503 (1986)—Mexico.  
microglumis D.A. Simpson in *Kew Bull.*, 45(3): 492 (1990)—Somali Republic.  
nutans  
var. subprolixus (Kukenth.) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 466 (1990); C. eleusinoides var. subprolixus.  
odoratus  
var. attenuatus F.R. Fosberg & M.H. Sacht in *Micronesica*, 20(1–2): 167 (1987)—Marshall Is., Caroline Is.  
var. curtispiculus F.R. Fosberg & M.H. Sacht in *Micronesica*, 20(1–2): 167 (1987)—Marianas, Caroline Is.  
var. novae-hannoverae (Boeck.) F.R. Fosberg & M.H. Sacht in *Micronesica*, 20(1–2): 168 (1987); C. novae-hannoverae.  
panamensis (C.B. Clarke) Britton ex P.C. Standley in *J. Wash. Acad. Sci.*, 15(20): 457 (1925); Mariscus panamensis.  
subcastaneus D.A. Simpson in *Kew Bull.*, 42(4): 897 (1987)—Brazil.  
subsp. graomogolii D.A. Simpson in *Kew Bull.*, 44(2): 279 (1989)—Brazil.  
svensonii G.C. Tucker in *Rhodora*, 88(856): 510 (1986)—Mexico, Guatemala, Honduras, Nicaragua.  
wilburii G.C. Tucker in *Rhodora*, 88(856): 508 (1986)—Mexico.

**CYPHIA** (Campanulac.).

- couroublei P. Bamps & F. Malaisse in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 488 (1986)—Zaire.

**CYPHOMANDRA** (Solanac.).

- casana A. Child in *Feddes Repert.*, 97(3–4): 143 (1986)—Ecuador.  
foetida L. Bohs in *Syst. Bot.*, 13(2): 268 (1988)—Peru, Brazil.  
oblongifolia L. Bohs in *Syst. Bot.*, 13(2): 271 (1988)—Brazil, Peru, Bolivia, Surinam.  
pilosa L. Bohs in *Syst. Bot.*, 13(2): 265 (1988)—Peru, Colombia, Ecuador.  
sibundoyensis L. Bohs in *Syst. Bot.*, 13(2): 273 (1988)—Colombia.



**CYPHOSTEMMA** (Vitac.).

- auriculata (Roxb.) P. Singh & B.V. Shetty in *Taxon*, 35(3): 596 (1986); *Cissus auriculata*.  
jiguu B. Verdcourt in *Kew Bull.*, 41(4): 1016 (1986), nom. nov.: *C. pachypus Verdc.*  
megabotrys (Collett & Hemsley) B.V. Shetty in *Kew Bull.*, 44(3): 477 (1989); *Vitis megabotrys*.

**CYPRIPEDIUM** (Orchidac.).

- sect. *Acaulia* (Brieger) E.F. Hennessy in E.F. Hennessy & T.A. Hedge, *Slipper Orchids*: 31 (1989), without basionym ref.: Basionym not stated.  
sect. *Flabellinervia* (Pfitzer) E.F. Hennessy in E.F. Hennessy & T.A. Hedge, *Slipper Orchids*: 31 (1989), without basionym ref.: Basionym not stated.  
sect. *Subtropica* S.C. Chen & K.Y. Lang in *Acta Phytotax. Sin.*, 24(4): 317 (1986).  
japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 817 (1784)—Japan.†  
parviflorum  
f. *albolabium* L.K. Magrath & J.L. Norman in *Sida*, 13(3): 372 (1989)—U.S.A. (Oklahoma).  
subtropicum S.C. Chen & K.Y. Lang in *Acta Phytotax. Sin.*, 24(4): 317 (1986)—Xizang.

**CYRTANDRA** (Gesneriac.).

- sect. *Lobicalcyces* H. St. John in *Phytologia*, 63(6): 476 (1987).  
acmule H. St. John in *Phytologia*, 63(6): 487 (1987)—Hawaiian Is.  
acriserrata H. St. John in *Phytologia*, 65(3): 199 (1988)—Hawaiian Is.  
acuminifolia H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 207 (1988)—Hawaiian Is.  
adine H. St. John in *Phytologia*, 63(6): 469 (1987)—Hawaiian Is.  
adpressa H. St. John in *Phytologia*, 63(6): 469 (1987)—Hawaiian Is.  
adusta H. St. John in *Phytologia*, 63(6): 469 (1987)—Hawaiian Is.  
aequalis H. St. John in *Phytologia*, 65(3): 195 (1988)—Hawaiian Is.  
ahome H. St. John in *Phytologia*, 63(6): 494 (1987)—Hawaiian Is.  
alaustri H. St. John in *Phytologia*, 63(6): 487 (1987)—Hawaiian Is.  
albula H. St. John in *Phytologia*, 63(6): 494 (1987)—Hawaiian Is.  
alikaensis H. St. John in *Phytologia*, 63(6): 469 (1987)—Hawaiian Is.  
amische H. St. John in *Phytologia*, 64(6): 487 (1988), nom. nov.: *C. sessilis* St. John.  
anatolike H. St. John in *Phytologia*, 63(6): 503 (1987)—Hawaiian Is.  
anaxie H. St. John in *Phytologia*, 63(6): 494 (1987)—Hawaiian Is.  
anise H. St. John in *Phytologia*, 63(6): 478 (1987)—Hawaiian Is.  
ataute H. St. John in *Phytologia*, 63(6): 485 (1987)—Hawaiian Is.  
austrohiloensis H. St. John in *Phytologia*, 63(6): 494 (1987)—Hawaiian Is.  
badia H. St. John in *Phytologia*, 63(6): 470 (1987), homonym see p. 495—Hawaiian Is.  
badia H. St. John in *Phytologia*, 63(6): 495 (1987), homonym see p. 470—Hawaiian Is.  
basitundata H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 207 (1988)—Hawaiian Is.  
biformalis H. St. John in *Phytologia*, 63(6): 470 (1987)—Hawaiian Is.  
biformalis H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 211 (1988)—Hawaiian Is.  
bilobata H. St. John in *Phytologia*, 64(6): 487 (1988), nom. nov.: *C. infraissa* St. John (1988).  
biserrata H. St. John in *Phytologia*, 63(6): 495 (1987)—Hawaiian Is.  
bishopii H. St. John in *Phytologia*, 64(1): 38 (1987)—Hawaiian Is.  
brevipedicellaris H. St. John in *Phytologia*, 64(1): 38 (1987), as 'brevipedicellaris'—Hawaiian Is.  
brunnea H. St. John in *Phytologia*, 63(6): 495 (1987)—Hawaiian Is.  
callaina H. St. John in *Phytologia*, 63(6): 495 (1987)—Hawaiian Is.  
calpidicarpa  
var. *distincta* H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 213 (1988)—Hawaiian Is.

**CYRTANDRA** :-

- calvicalcyis H. St. John in *Phytologia*, 63(6): 478 (1987)—Hawaiian Is.  
calvicorolla H. St. John in *Phytologia*, 64(1): 38 (1987)—Hawaiian Is.  
capillata H. St. John in *Phytologia*, 63(6): 470 (1987)—Hawaiian Is.  
capitata H. St. John in *Phytologia*, 63(6): 487 (1987)—Hawaiian Is.  
carina H. St. John in *Phytologia*, 63(6): 495 (1987)—Hawaiian Is.  
catenulata H. St. John in *Phytologia*, 63(6): 495 (1987)—Hawaiian Is.  
catenulata H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 211 (1988)—Hawaiian Is.  
caudiflora H. St. John in *Phytologia*, 65(3): 201 (1988)—Hawaiian Is.  
chartacea H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
chartiformis H. St. John in *Phytologia*, 64(6): 487 (1988), nom. nov.: *C. chartacea* St. John.  
christensenii H. St. John in *Phytologia*, 65(3): 195 (1988)—Hawaiian Is.  
cinnamomea H. St. John in *Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
commensurata H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
comosa H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
conferta H. St. John in *Phytologia*, 63(6): 487 (1987)—Hawaiian Is.  
cordata H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
crassichartacea H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
crebra H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
crinalis H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
crispa H. St. John in *Phytologia*, 63(6): 496 (1987)—Hawaiian Is.  
curvata H. St. John in *Phytologia*, 63(6): 476 (1987)—Hawaiian Is.  
cuspidata H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 207 (1988)—Hawaiian Is.  
cylindrica H. St. John in *Phytologia*, 64(1): 38 (1987)—Hawaiian Is.  
dasygyna H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 211 (1988)—Hawaiian Is.  
deltoidea H. St. John in *Phytologia*, 63(6): 485 (1987)—Hawaiian Is.  
deorsa H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 213 (1988)—Hawaiian Is.  
depressa H. St. John in *Phytologia*, 63(6): 470 (1987)—Hawaiian Is.  
depressa H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
discors H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 212 (1988)—Hawaiian Is.  
disgrega H. St. John in *Phytologia*, 65(3): 201 (1988)—Hawaiian Is.  
duploserrata H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
duploserrata H. St. John in *Phytologia*, 64(6): 487 (1988), nom. nov., illegit. later homonym of *Cyrtandra duploserrata* H. St. John in *Phytologia*, 63(6): 497 (1987); *C. biserrata* St. John.  
dytike H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
echyros H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
ellipsoidea H. St. John in *Phytologia*, 64(1): 39 (1987)—Hawaiian Is.  
elliptipicis H. St. John in *Phytologia*, 65(3): 195 (1988)—Hawaiian Is.  
elliptica H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
epiphytica H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
exilis H. St. John in *Phytologia*, 63(6): 485 (1987)—Hawaiian Is.  
ferrea H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
ferripilosa H. St. John in *Phytologia*, 63(6): 497 (1987)—Hawaiian Is.  
fissa H. St. John in *Phytologia*, 63(6): 498 (1987)—Hawaiian Is.

**CYRTANDRA** :-

- framea H. St. John in *Phytologia*, 63(6): 478 (1987)—Hawaiian Is.  
fruticosa H. St. John in *Phytologia*, 63(6): 470 (1987), homonym see p. 498—Hawaiian Is.  
fruticosa H. St. John in *Phytologia*, 63(6): 498 (1987), homonym see p. 470—Hawaiian Is.  
fulva H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
furfurosa H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
fusata H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
gagnei H. St. John in *Phytologia*, 65(3): 196 (1988)—Hawaiian Is.  
glabricalcyis H. St. John in *Phytologia*, 64(1): 39 (1987)—Hawaiian Is.  
glabriflora H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
glabriflora H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
glenwoodensis H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
grayana  
var. *caudata* H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
var. *fosbergii* H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
habenosa H. St. John in *Phytologia*, 65(3): 200 (1988)—Hawaiian Is.  
haelaauensis H. St. John in *Phytologia*, 63(6): 470 (1987)—Hawaiian Is.  
haikuensis H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 212 (1988)—Hawaiian Is.  
hamakuaensis H. St. John in *Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
hanaensis H. St. John in *Phytologia*, 65(3): 202 (1988)—Hawaiian Is.  
hanaulaensis H. St. John in *Phytologia*, 63(6): 484 (1987)—Hawaiian Is.  
harrisoniae H. St. John in *Phytologia*, 65(3): 196 (1988), as 'harrisonae'—Hawaiian Is.  
heinrichii H. St. John in *Phytologia*, 63(6): 498 (1987), nom. nov.: *C. oenobarba* var. *obovata* Wawra.  
heliothine H. St. John in *Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
hematos H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
hemisphaerica H. St. John in *Phytologia*, 65(3): 200 (1988), nom. nov.: *C. ustulata* St. John in *Phytologia*, 63: 483 (1987).  
henanthe H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
hesperia H. St. John in *Phytologia*, 63(6): 485 (1987)—Hawaiian Is.  
hians H. St. John in *Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
higashinoi H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
hiloensis H. St. John in *Phytologia*, 63(6): 488 (1987)—Hawaiian Is.  
honokawaiensis H. St. John in *Phytologia*, 65(3): 196 (1988)—Hawaiian Is.  
honomanuensis H. St. John in *Phytologia*, 65(3): 197 (1988)—Hawaiian Is.  
humifusa H. St. John in *Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
humiliserrulata H. St. John in *Phytologia*, 65(3): 197 (1988)—Hawaiian Is.  
hylematos H. St. John in *Phytologia*, 65(3): 202 (1988)—Hawaiian Is.  
iaoensis H. St. John in *Phytologia*, 63(6): 498 (1987)—Hawaiian Is.  
imparifolia H. St. John in *Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
imparilis H. St. John & W.N. Takeuchi in *Phytologia*, 65(3): 210 (1988)—Hawaiian Is.  
imparis H. St. John in *Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
inaequalis H. St. John in *Phytologia*, 63(6): 479 (1987)—Hawaiian Is.  
indiscissa H. St. John in *Phytologia*, 65(3): 197 (1988)—Hawaiian Is.  
indivisa H. St. John in *Phytologia*, 64(1): 39 (1987)—Hawaiian Is.  
infera H. St. John in *Phytologia*, 65(3): 202 (1988)—Hawaiian Is.

## CYRTANDRA :-

- infracissa *H. St. John in Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
 infracissa *H. St. John in Phytologia*, 64(1): 39 (1987), illegit. later homonym of *Cyrtandra infracissa H. St. John in Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
 infraglabra *H. St. John in Phytologia*, 63(6): 498 (1987)—Hawaiian Is.  
 infraligulata *H. St. John in Phytologia*, 65(3): 205 (1988)—Hawaiian Is.  
 integra *H. St. John in Phytologia*, 64(1): 39 (1987)—Hawaiian Is.  
 ise *H. St. John in Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
 kaiholenaensis *H. St. John in Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
 kalaensis *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 kalamanthe *H. St. John in Phytologia*, 65(3): 203 (1988)—Hawaiian Is.  
 kamokuensis *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 kamooaliensis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 207 (1988)—Hawaiian Is.  
 kamoolaensis *H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 karykrous *H. St. John in Phytologia*, 64(6): 487 (1988), nom. nov.: *C. badia St. John in Phytologia*, 63: 495 (1987).  
 kauensis *H. St. John in Phytologia*, 65(3): 203 (1988)—Hawaiian Is.  
 kawalaensis *H. St. John in Phytologia*, 65(3): 200 (1988)—Hawaiian Is.  
 keanaensis *H. St. John in Phytologia*, 63(6): 498 (1987)—Hawaiian Is.  
 kirrhe *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 kormanthike *H. St. John in Phytologia*, 65(3): 203 (1988)—Hawaiian Is.  
 kremnes *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 208 (1988)—Hawaiian Is.  
 kukuiensis *H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 laevicalycis *H. St. John in Phytologia*, 65(3): 199 (1988)—Hawaiian Is.  
 lalaensis *H. St. John in Phytologia*, 63(6): 486 (1987)—Hawaiian Is.  
 latior *H. St. John in Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
 leiocalyx *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 ligulata *H. St. John in Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
 limahuliensis *H. St. John in Phytologia*, 63(6): 489 (1987)—Hawaiian Is.  
 lumahaensis *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 lysiosepapa  
   *var. ewartii H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 macilenta *H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 macrocarpa (*Skotts.*) *H. St. John in Phytologia*, 64(1): 40 (1987); *C. gayana var. macrocarpa*.  
 makalehaensis *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 malina *H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 manukaensis *H. St. John in Phytologia*, 65(3): 205 (1988)—Hawaiian Is.  
 mapulehuensis *H. St. John in Phytologia*, 63(6): 473 (1987)—Hawaiian Is.  
 molokaiensis *H. St. John in Phytologia*, 63(6): 499 (1987)—Hawaiian Is.  
 monadantha *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 monanthe *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 nanawaleensis *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.  
 noie *H. St. John in Phytologia*, 65(3): 197 (1988)—Hawaiian Is.  
 nuda *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.  
 obliqua *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.

## CYRTANDRA :-

- oblonga *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.  
 obmularis *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 obtusa *H. St. John in Phytologia*, 64(1): 40 (1987)—Hawaiian Is.  
 occidentis *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.  
 occidentalis *H. St. John in Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
 oenobarba  
   *var. proceripetiolata H. St. John in Phytologia*, 64(1): 40 (1987)—Hawaiian Is.  
 olaensis *H. St. John in Phytologia*, 63(6): 480 (1987)—Hawaiian Is.  
 olokuensis *H. St. John in Phytologia*, 63(6): 481 (1987)—Hawaiian Is.  
 olowaluensis *H. St. John in Phytologia*, 63(6): 500 (1987)—Hawaiian Is.  
 oopuolaensis *H. St. John in Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
 opeatos *H. St. John in Phytologia*, 63(6): 474 (1987)—Hawaiian Is.  
 opposita *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 210 (1988)—Hawaiian Is.  
 orbicularis *H. St. John in Phytologia*, 64(1): 40 (1987)—Hawaiian Is.  
 orientalis *H. St. John in Phytologia*, 63(6): 471 (1987)—Hawaiian Is.  
 ovalifolia *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 212 (1988)—Hawaiian Is.  
 ovalis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 210 (1988)—Hawaiian Is.  
 ovatiloba *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 oxybapha *W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap.*, 29: 100 (1989)—Hawaiian Is.  
 paludosa  
   *var. honopueensis H. St. John in Phytologia*, 64(1): 40 (1987)—Hawaiian Is.  
   *var. kohalaensis H. St. John in Phytologia*, 64(1): 40 (1987)—Hawaiian Is.  
   *var. montana H. St. John in Phytologia*, 65(3): 199 (1988)—Hawaiian Is.  
 paris *H. St. John in Phytologia*, 63(6): 490 (1987)—Hawaiian Is.  
 pentenourou *H. St. John in Phytologia*, 65(3): 204 (1988)—Hawaiian Is.  
 pepeopaeensis *H. St. John in Phytologia*, 63(6): 481 (1987)—Hawaiian Is.  
 perlmanii *H. St. John in Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 petila *H. St. John in Phytologia*, 63(6): 491 (1987)—Hawaiian Is.  
 petiolata *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 phaie *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 piaensis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 208 (1988)—Hawaiian Is.  
 pilosicalycis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 210 (1988)—Hawaiian Is.  
 pilosula *H. St. John in Phytologia*, 63(6): 491 (1987)—Hawaiian Is.  
 pluviola *H. St. John in Phytologia*, 63(6): 491 (1987)—Hawaiian Is.  
 pololuensis *H. St. John in Phytologia*, 63(6): 501 (1987)—Hawaiian Is.  
 prasina *H. St. John in Phytologia*, 63(6): 481 (1987), homonym see p. 501—Hawaiian Is.  
 prasina *H. St. John in Phytologia*, 63(6): 501 (1987), homonym see p. 481—Hawaiian Is.  
 proluxa *H. St. John in Phytologia*, 65(3): 204 (1988)—Hawaiian Is.  
 prorsiflora *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 212 (1988)—Hawaiian Is.  
 puberis *H. St. John in Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 puberula *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 pubinervis *H. St. John in Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 pukeleensis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 208 (1988)—Hawaiian Is.  
 pustulata *H. St. John in Phytologia*, 63(6): 501 (1987)—Hawaiian Is.

## CYRTANDRA :-

- puensis *H. St. John in Phytologia*, 63(6): 481 (1987)—Hawaiian Is.  
 quadrata *H. St. John in Phytologia*, 63(6): 474 (1987)—Hawaiian Is.  
 quadrilobata *H. St. John in Phytologia*, 63(6): 474 (1987)—Hawaiian Is.  
 quinquefasciata *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 quinqueflora *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 212 (1988)—Hawaiian Is.  
 quiritis *H. St. John in Phytologia*, 63(6): 491 (1987)—Hawaiian Is.  
 ralla *H. St. John in Phytologia*, 63(6): 501 (1987)—Hawaiian Is.  
 recurrens *H. St. John in Phytologia*, 63(6): 501 (1987), as 'recurrems'—Hawaiian Is.  
 rotundata *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 208 (1988)—Hawaiian Is.  
 rudiculata *H. St. John in Phytologia*, 63(6): 502 (1987)—Hawaiian Is.  
 runae *H. St. John in Phytologia*, 63(6): 491 (1987)—Hawaiian Is.  
 scapiflora *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 210 (1988)—Hawaiian Is.  
 semiorbicularis *H. St. John in Phytologia*, 65(3): 200 (1988)—Hawaiian Is.  
 semisubulata *H. St. John in Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 septemiflora *H. St. John in Phytologia*, 63(6): 492 (1987)—Hawaiian Is.  
 septentrionalis *H. St. John in Phytologia*, 65(3): 199 (1988)—Hawaiian Is.  
 sericea *H. St. John in Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 sessilis *H. St. John in Phytologia*, 63(6): 474 (1987)—Hawaiian Is.  
 simulata *H. St. John in Phytologia*, 63(6): 486 (1987)—Hawaiian Is.  
 spartoides *H. St. John in Phytologia*, 64(6): 488 (1988), nom. nov.: *C. fruticosa St. John in Phytologia*, 63: 498 (1987).  
 spissa *H. St. John in Phytologia*, 63(6): 492 (1987)—Hawaiian Is.  
 stemmermanniae *H. St. John in Phytologia*, 63(6): 492 (1987), as 'stemmermannae'—Hawaiian Is.  
 stenohede *H. St. John in Phytologia*, 63(6): 481 (1987)—Hawaiian Is.  
 straminea *H. St. John in Phytologia*, 63(6): 474 (1987)—Hawaiian Is.  
 subaequalis *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 subaequalis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
 subcalva *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 subcoriacea *H. St. John in Phytologia*, 63(6): 502 (1987)—Hawaiian Is.  
 subrubra *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 209 (1988)—Hawaiian Is.  
 subsolana *H. St. John in Phytologia*, 63(6): 492 (1987)—Hawaiian Is.  
 subtilis *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 subulata *H. St. John in Phytologia*, 63(6): 475 (1987)—Hawaiian Is.  
 subviridis *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 sylvestris *H. St. John in Phytologia*, 63(6): 492 (1987)—Hawaiian Is.  
 tantalusensis *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 211 (1988)—Hawaiian Is.  
 tenuis *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 terna *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 ternaria *H. St. John in Phytologia*, 63(6): 475 (1987)—Hawaiian Is.  
 terniflora *H. St. John in Phytologia*, 63(6): 472 (1987)—Hawaiian Is.  
 tetraphylla *H. St. John in Phytologia*, 63(6): 482 (1987)—Hawaiian Is.  
 triados *H. St. John in Phytologia*, 63(6): 483 (1987)—Hawaiian Is.  
 triados *H. St. John & W.N. Takeuchi in Phytologia*, 65(3): 213 (1988)—Hawaiian Is.  
 triangularis *H. St. John in Phytologia*, 63(6): 486 (1987)—Hawaiian Is.

**CYRTANDRA** :-

- triens *H. St. John* & W.N. Takeuchi in *Phytologia*, 65(3): 214 (1988)—Hawaiian Is.  
 trifida *H. St. John* in *Phytologia*, 63(6): 483 (1987)—Hawaiian Is.  
 trifoliata *H. St. John* in *Phytologia*, 65(3): 205 (1988)—Hawaiian Is.  
 trina *H. St. John* in *Phytologia*, 63(6): 492 (1987)—Hawaiian Is.  
 trinalis *H. St. John* in *Phytologia*, 63(6): 475 (1987)—Hawaiian Is.  
 trinalis *H. St. John* & W.N. Takeuchi in *Phytologia*, 65(3): 214 (1988)—Hawaiian Is.  
 trionanthe *H. St. John* & W.N. Takeuchi in *Phytologia*, 65(3): 213 (1988)—Hawaiian Is.  
 tripla *H. St. John* in *Phytologia*, 65(3): 206 (1988)—Hawaiian Is.  
 triplex *H. St. John* in *Phytologia*, 63(6): 483 (1987)—Hawaiian Is.  
 trisse *H. St. John* in *Phytologia*, 65(3): 206 (1988)—Hawaiian Is.  
 trite *H. St. John* in *Phytologia*, 63(6): 502 (1987)—Hawaiian Is.  
 umbelliflora *H. St. John* in *Phytologia*, 63(6): 502 (1987)—Hawaiian Is.  
 ustulata *H. St. John* in *Phytologia*, 63(6): 483 (1987), homonym see p. 493—Hawaiian Is.  
 ustulata *H. St. John* in *Phytologia*, 63(6): 493 (1987), homonym see p. 483—Hawaiian Is.  
 vallicularis *H. St. John* in *Phytologia*, 65(3): 204 (1988)—Hawaiian Is.  
 vanroyenii *H. St. John* in *Phytologia*, 64(1): 41 (1987)—Hawaiian Is.  
 vesperalis *H. St. John* in *Phytologia*, 63(6): 502 (1987), nom. nov.: *C. triflora*  $\beta$  robusta Wawra.  
 vespertina *H. St. John* in *Phytologia*, 65(3): 198 (1988), nom. nov.: *C. occidentalis* *St. John*.  
 vestigii *H. St. John* in *Phytologia*, 63(6): 483 (1987)—Hawaiian Is.  
 villifera *H. St. John* & W.N. Takeuchi in *Phytologia*, 65(3): 213 (1988)—Hawaiian Is.  
 villosula *H. St. John* in *Phytologia*, 65(3): 198 (1988)—Hawaiian Is.  
 vulsa *H. St. John* in *Phytologia*, 63(6): 483 (1987)—Hawaiian Is.  
 wahiawaensis *H. St. John* in *Phytologia*, 64(1): 42 (1987)—Hawaiian Is.  
 waiakaensis *H. St. John* in *Phytologia*, 63(6): 493 (1987)—Hawaiian Is.  
 waiheae (*Rock*) *H. St. John* in *Phytologia*, 63(6): 493 (1987): *C. pickeringii* var. *waiheae*.  
 waiheensis *H. St. John* in *Phytologia*, 63(6): 475 (1987)—Hawaiian Is.  
 waikamoiensis *H. St. John* in *Phytologia*, 65(3): 198 (1988)—Hawaiian Is.  
 wailauensis *H. St. John* in *Phytologia*, 65(3): 198 (1988)—Hawaiian Is.  
 wailupeensis *H. St. John* & W.N. Takeuchi in *Phytologia*, 65(3): 213 (1988)—Hawaiian Is.  
 waioliensis *H. St. John* in *Phytologia*, 64(1): 42 (1987)—Hawaiian Is.  
 waipioensis *H. St. John* in *Phytologia*, 63(6): 486 (1987)—Hawaiian Is.

**CYRTANTHUS** (Amaryllidac.).

- brachysiphon *O.M. Hilliard* & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 189 (1986)—South Africa (Natal).

**CYRTOCYMURA** *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 849 (1987). **COMPOSITAE**.

- cincta (*Griseb.*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 851 (1987): *Vernonia cincta*.  
 harleyi (*H. Robinson*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 852 (1987): *Vernonia harleyi*.  
 lanuginosa (*Gardn.*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 852 (1987): *Vernonia lanuginosa*.  
 mattos-silvae (*H. Robinson*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 852 (1987): *Vernonia mattos-silvae*.  
 saepia (*Ekman*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 853 (1987): *Vernonia saepia*.  
 scorpioides (*Lamarck*) *H. Robinson* in *Proc. Biol. Soc. Wash.*, 100(4): 852 (1987): *Conyza scorpioides*.

**CYRTORCHIS** (Orchidac.).

- arcuata  
 var. *variabilis* (*Summerh.*) *D. Geerinck* in *Fl. Rwanda - Spermatophytes*, 4: 548 (1988): *C. arcuata* subsp. *variabilis*.  
 praetermissa  
 subsp. *zuluensis* (*Harrison*) *H.P. Linder* in *Kew Bull.*, 44(2): 319 (1989): *C. praetermissa* var. *zuluensis*.

**CYRTOSIA** (Orchidac.).

- integra (*Rolfe ex Downie*) *L.A. Garay* in *Bot. Mus. Leaf. Harvard Univ.*, 30(4): 232 (1986): *Galeola integra*.  
 minahassae (*Schltr.*) *L.A. Garay* in *Bot. Mus. Leaf. Harvard Univ.*, 30(4): 233 (1986): *Galeola minahassae*.  
 nana (*Rolfe ex Downie*) *L.A. Garay* in *Bot. Mus. Leaf. Harvard Univ.*, 30(4): 233 (1986): *Galeola nana*.  
 septentrionalis (*Rchb. f.*) *L.A. Garay* in *Bot. Mus. Leaf. Harvard Univ.*, 30(4): 233 (1986): *Galeola septentrionalis*.

**CYRTOSPERMA** (Arac.).

- beccarianum *A. Hay* in *Blumea*, 33(2): 455 (1988)—New Guinea (W. Irian, Papua New Guinea).  
 bougainvillense *A. Hay* in *Blumea*, 33(2): 441 (1988)—Bougainville Is.  
 brassii *A. Hay* in *Blumea*, 33(2): 439 (1988)—Louisiade Archipelago.  
 carrii *A. Hay* in *Blumea*, 33(2): 450 (1988)—New Guinea (Papua New Guinea).  
 gressittorum *A. Hay* in *Blumea*, 33(2): 439 (1988)—Louisiade Archipelago.  
 kokodense *A. Hay* in *Blumea*, 33(2): 447 (1988)—New Guinea (Papua New Guinea).

**CYRTOSTYLIS** (Orchidac.).

- robusta *D.L. Jones* & M.A. Clements in *Lindleyana*, 2(3): 157 (1987)—Australia (W. Australia, S. Australia, Victoria).  
 tenuissima (*Nicholls* & Goadby) *D.L. Jones* & M.A. Clements in *Lindleyana*, 2(3): 157 (1987): *Acianthus tenuissimus*.

**CYSTICAPNOS** (Papaverac.).

- cracca (*Cham.* & *Schlecht.*) *M. Lidén* in *Op. Bot.*, 88: 108 (1986): *Corydalis cracca*.  
 parviflora *M. Lidén* in *Op. Bot.*, 88: 106 (1986)—South Africa (Cape Province).  
 pruinosa (*Bernh.*) *M. Lidén* in *Op. Bot.*, 88: 106 (1986): *Phacocapnos pruinosa*.

**CYSTORCHIS** (Orchidac.).

- salmoneus *J.J. Wood* in *Lindleyana*, 5(2): 81 (1990)—Borneo (Sabah).

**CYSTOSTEMON** (Boraginac.).

- linearifolius *E.S. Martins* in *Garcia de Orta, Ser. Bot.*, 10(1-2): 17 (1988)—Angola.  
 loveridgei *E.S. Martins* in *Garcia de Orta, Ser. Bot.*, 9(1-2): 75 (1987 publ. 1988)—Zambia.  
 mwiniungensis *E.S. Martins* in *Garcia de Orta, Ser. Bot.*, 9(1-2): 75 (1987 publ. 1988)—Zambia.

**CYTISOPSIS** (Legumin.).

- ahmedii (*Battand.* & *Pitard*) *P. Lassen* in *Willdenowia*, 16(1): 109 (1986): *Cytisus ahmedii*.  
 pseudocytisus  
 subsp. *reeseana* (*Guyot*) *Lassen* ex *W. Greuter* & *T. Raus* in *Willdenowia*, 19(1): 31 (1989): *C. dorycnifolia* f. *reeseana*.

**CYTISUS** (Legumin.).

- moleiroi *J. Fernández Casas*, *Exsicc. nobis distrib.*, 3: 4 (1980)—Spain.  
 rhodopnoa (*Webb* & *Berth.*) *Schouw.*, *Forteg. Kjöb. Bot. Hav. Pl.*: 143 (1847); cf. *D.J. Mabberley* in *Taxon*, 33(3): 439 (1984): Basionym not stated.  
 scoparius  
 subsp. *bourgaei* (*Boiss.*) *S. Rivas-Martínez*, *F. Fernández González* & *D. Sánchez-Mata* in *Opusc. Bot. Pharm. Complutensis*, 2: 107 (1986): *Sarothamnus bourgaei*.  
 striatus  
 subsp. *megalanthus* (*Pau* & *Font Quer*) *S. Rivas-Martínez* & *D. Belmonte* in *Opusc. Bot. Pharm. Complutensis*, 5: 73 (1989): *Sarothamnus megalanthus*.

**D****DABOECIA** (Ericac.).

- cantabrica  
 subsp. *azorica* (*Tutin* & *E.F. Warburg*) *D. McClintock* in *Bot. J. Linn. Soc.*, 101(3): 280 (1989): *D. azorica*.

**DACRYDIUM** (Podocarpac.).

- cornwalliana *D.J. de Laubenfels* in *Fl. Males.*, 10(3): 366 (1988)—New Guinea (W. Irian, Papua New Guinea).  
 ericoides *D.J. de Laubenfels* in *Fl. Males.*, 10(3): 371 (1988)—Borneo (Sarawak).  
 gracilis *D.J. de Laubenfels* in *Fl. Males.*, 10(3): 367 (1988)—Borneo (Sabah, Sarawak).  
 leptophyllum (*Wasscher*) *D.J. de Laubenfels* in *Fl. Males.*, 10(3): 371 (1988): *Podocarpus leptophylla*.

**DACRYODES** (Burserac.).

- cuspidata (*Cuatrec.*) *D.C. Daly* in *Brittonia*, 41(1): 25 (1989): *Trattinnickia cuspidata*.

**DACTYLAEA** Fedde ex *H. Wolff* in Fedde, *Repert.*, 27: 304 (1930), descr. gen.-spec. **UMBELLIFERAE**. †**×DACTYLEUCORCHIS** (Orchidac.).

- albucina (*Ciferri* & *Giacomini*) *L.V. Aver'yanov* in *Bot. Zhurn.*, 71(1): 93 (1986): ×*Leucorchis albucina*.  
 bulgarica *D. Lindig* in *Orchidee*, 38(2): 101 (1987)—Bulgaria. (*Dactylorhiza cordigera* × *Leucorchis albida*).

**DACTYLICAPNOS** (Papaverac.).

- sect. *Minicalcara* (*Khahn*) *M. Lidén* in *Op. Bot.*, 88: 20 (1986): *Dicentra* sect. *Minicalcara*.

**DACTYLIS** (Gramin.).

- glomerata  
 subsp. *hylodes* (*Parker*) *J. Holub* in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): *D. smithii* subsp. *hylodes*.  
 var. *marina* (*Borrill*) *M. Speranza* & *G. Cristofolini* in *Webbia*, 39(2): 394 (1986): *D. marina*.  
 subsp. *oceanica* *G. Guignard* in *Bull. Soc. Bot. France, Lett. Bot.*, 132(4-5): 346 (1985 publ. 1986)—France.  
 hyrcana (*Tzevel.*) *S.G. Musaev* in *Bot. Zhurn.*, 72(1): 94 (1987): *D. glomerata* subsp. *hyrcana*.  
 pendula (*Dumort.*) *B.D. Jackson* in *Index Kewensis*, 1: 709 (1753-1885 publ. 1893): *D. glomerata* \* (subsp.) *pendula*.  
 spicata (*Pamp.*) *A. Guglielmo* & *C. Scalia* in *Boll. Accad. Gioenia Sci. Nat. Catania*, 18(325): 234 (1985): *D. glomerata* var. *spicata*.

**DACTYLOCARDAMUM** *I.A. Al-Shehbaz* in *J. Arnold Arbor.*, 70(4): 519 (1989). **CRUCIFERAE**.  
*imbricatifolium* *I.A. Al-Shehbaz* in *J. Arnold Arbor.*, 70(4): 519 (1989)—Peru.**×DACTYLODENIA** (Orchidac.).

- comigera (*Reichenb.*) *L.V. Aver'yanov* in *Bot. Zhurn.*, 71(1): 93 (1986): *Gymnadenia comigera*.  
 cookei (*Hesl. Harr.*) *E. Peitz* in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972): ×*Orchigymnadenia cookei*.  
 evansii (*Druce* ex *T. Stephenson* & *T.A. Stephenson*) *L.V. Aver'yanov* in *Bot. Zhurn.*, 71(1): 93 (1986): ×*Orchigymnadenia evansii*.  
 fuchsii (*Kell.* & *Soó*) *E. Peitz* in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 191 (1972): ×*Orchigymnadenia fuchsii*.  
 fuchsii (*G. Keller* & *Soó*) *L.V. Aver'yanov* in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: ×*Orchigymnadenia fuchsii*.  
 gracilis (*A. Cam.*) *E. Peitz* in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972): ×*Orchigymnadenia gracilis*.  
 gracilis (*A. Camus*) *L.V. Aver'yanov* in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: ×*Orchigymnadenia heinzelianae* var. *gracilis*.  
 subsp. *sourekii* (*Prochazka*) *E. Peitz* in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972): ×*Dactylogymnadenia gracilis* subsp. *sourekii*.

× DACTYLODENIA :-

- hahnei (Hoeppn.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 190 (1972): × *Orchigymnadenia hahnei*.  
 heinziana (Reichardt) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis heinziana*.  
 jeanjeanii (G. Keller) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): × *Orchigymnadenia jeanjeanii*.  
 klingiana (Aschers. & Gr.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 191 (1972): × *Orchigymnadenia klingiana*.  
 klingiana (Aschers. & Graebn.) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: × *Orchigymnadenia klingiana*.  
 lebrunii (E.G. Cam.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 190 (1972): *Orchi-Gymnadenia lebrunii*.  
 legrandiana (E.G. Cam.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 190 (1972): *Gymnadenia legrandiana*.  
 quintinii (Godfery) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), as 'st. quintinii': × *Orchigymnadenia st.-quintinii*.  
 regeliana (Bruegg.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 191 (1972): *Orchis regeliana*.  
 souppensis (E.G. Cam.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 190 (1972): *Gymnadenia souppensis*.  
 souppensis (E.G. Camus) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: *Gymnadenia souppensis*.  
 toussaintiorum D. Tyteca & J.-L. Gathoye in *Orchidophile*, 81: 60 (1988)—France. (*Dactylorhiza brennensis* × *Gymnadenia conopsea*).  
 varia (T. Stephenson & T.A. Stephenson) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): × *Orchigymnadenia varia*.  
 vitosensis M. Jagiello in *Folia Geobot. Phytotax.*, 23(1): 96 (1988)—Bulgaria. (*Dactylorhiza cordigera* × *Gymnadenia conopsea*).  
 vollmannii (M. Schulze) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972): × *Orchigymnadenia vollmannii*.  
 vollmannii (Schulze) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: × *Orchigymnadenia vollmannii*.  
 wintonii (Quirk) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 191 (1972): *Habenaria wintonii*.  
 wintonii (Druce) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), isonym: *Habenaria wintonii*.  
 zollikoferi (Stoj.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 191 (1972): *Orchis zollikoferi*.

× DACTYLOGLOSSUM (Orchidac.).

- sennholzii E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972), nom. nov.: *Orchis erdingeri Sennh.*  
 ullmannii (Hall) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 189 (1972), basionym not validly publ.: *Orchis ullmannii*.

DACTYLORHIZA (Orchidac.).

- sect. Romanae E. Klein & D. Strack in *Phytochemistry*, 28(8): 2136 (1989).  
 × abeliana (Kl.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 173 (1972), without basionym page: *Orchis traunsteineri* f. *abeliana*.  
 amblyoloba (Nevski) L.V. Aver'yanov in *Novosti Sist. Vyssh. Rast.*, 26: 47 (1989): *Orchis amblyoloba*.  
 × baicalica L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 92 (1986)—U.S.S.R. (Siberia). (D. cruenta × salina).  
 battandieri C. Raynaud, *Orchid. Maroc*: 62 (1985)—Algeria.  
 bohemia R. Businský in *Preslia*, 61(4): 296 (1989)—Czechoslovakia.  
 × bourdonii D. Tyteca & J.-L. Gathoye in *Orchidophile*, 81: 59 (1988)—France. (D. brennensis × incarnata).  
 brennensis (Nelson) D. Tyteca & J.-L. Gathoye in *Orchidophile*, 81: 58 (1988): D. elata subsp. brennensis.  
 caramulensis (Vermeulen) D. Tyteca in *Orchidophile*, 88: 155 (1989): D. maculata subsp. caramulensis.  
 cordigera  
 var. vermionica B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 4(1): 36 (1987)—Greece.  
 × dufftii (Hausskn.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 176 (1972): *Orchis dufftii*.

DACTYLORHIZA :-

- elata  
 f. alba (Soó) C. Raynaud, *Orchid. Maroc*: 103 (1985): *Orchis elata* f. *alba*.  
 var. elongata (Maire) C. Raynaud, *Orchid. Maroc*: 103 (1985): *Orchis elata* var. *elongata*.  
 f. leucantha (Maire & Weiller) C. Raynaud, *Orchid. Maroc*: 104 (1985): *Orchis elata* f. *leucantha*.  
 subvar. maroccanica (Soó) C. Raynaud, *Orchid. Maroc*: 104 (1985): *Orchis elata* f. *maroccanica*.  
 f. pallida (Maire & Weiller) C. Raynaud, *Orchid. Maroc*: 104 (1985): *Orchis elata* f. *pallida*.  
 f. peltieri (Soó) C. Raynaud, *Orchid. Maroc*: 103 (1985): *Orchis elata* f. *peltieri*.  
 subvar. speciosissima (Soó) C. Raynaud, *Orchid. Maroc*: 103 (1985): *Orchis elata* f. *speciosissima*.  
 subvar. stephensoni (Maire & Weiller) C. Raynaud, *Orchid. Maroc*: 103 (1985): *Orchis elata* subvar. *stephensoni*.  
 elodes (Griseb.) P. Engler in *Abh. Zool.-Bot. Ges. Osterr.*, 22: 107 (1984), without basionym page: *Orchis elodes*.  
 × estonica M. Jagiello & V. Kuusk in *Fragm. Flor. Geobot.*, 34(3-4): 328 (1989)—U.S.S.R. (Baltic States). (D. fuchsii × ruthei).  
 fistulosa  
 subsp. alpestris (Pugsley) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 628 (1988): *Orchis alpestris*.  
 flavescens (Koch) E.M. Seifulin in *S.K. Cherepanov, Opred. khvoshcheobraznykh ... rastenii Turkmenistana*: 278 (1978), isonym; see J. Holub in *Folia Geobot. Phytotax.*, 11(1): 83 (1976): *Orchis flavescens*.  
 × fourkensis B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 4(1): 61 (1987)—Greece. (D. baumanniana × sambucina).  
 fuchsii  
 var. alpina (Landwehr) R.M. Bateman & I. Denholm in *Watsonia*, 17(3): 341 (1989): D. fuchsii f. *alpina*.  
 var. hebridensis (Wilmott) R.M. Bateman & I. Denholm in *Watsonia*, 17(3): 340 (1989): *Orchis hebridensis*.  
 var. okellyi (Druce) R.M. Bateman & I. Denholm in *Watsonia*, 17(3): 342 (1989): *Orchis maculata* var. *okellyi*.  
 × godferyana (Soó) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 177 (1972): *Orchis godferyana*.  
 hebridensis (Wilmott) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 92 (1986); et in *Spis. Rast. Gerb. Fl. SSSR*, 25(127-130): 26 (1986); et in *Novosti Sist. Vyssh. Rast.*, 26: 50 (1989): *Orchis hebridensis*.  
 × hochreutineriana (Hellmayr) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 92 (1986): *Orchis hochreutineriana*.  
 incarnata  
 subsp. pyrenaica M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 280 (1986)—France.  
 var. versicolor (Schmidt & Lüscher) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 174 (1972): *Orchis incarnata* var. *versicolor*.  
 insularis (Moris) P. Engler in *Abh. Zool.-Bot. Ges. Osterr.*, 22: 105 (1984): *Orchis sambucina* var. *insularis*.  
 × ishorica L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986)—U.S.S.R. (European Russia). (D. baltica × incarnata).  
 × jestrebiensis R. Businský in *Preslia*, 61(4): 306 (1989)—Czechoslovakia. (D. bohemia × majalis subsp. majalis).  
 × krasovinensis B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 3(2): 217 (1986 publ. 1987)—Greece. (D. pindica × saccifera).  
 kerriensis  
 subsp. occidentalis (Pugsley) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 629 (1988): *Orchis majalis* var. *occidentalis*.  
 × koutsourana B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 6(1): 36 (1989)—Greece. (D. baumanniana × smolikana).  
 latifolia  
 f. rubra (Winterl) D. Tyteca & J.-L. Gathoye in *Orchidophile*, 92: 112 (1990): *Orchis sambucina* var. *rubra*.  
 macedonica J. Hölzinger & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 191 (1988)—Greece.

DACTYLORHIZA :-

- maculata  
 var. averyanovii M. Jagiello in *Fragm. Flor. Geobot.*, 31-32(3-4): 369 (1986-87 publ. 1988)—Poland.  
 subsp. battandieri (Raynaud) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 631 (1988): D. battandieri.  
 subsp. hebridensis (Wilmott) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 631 (1988): *Orchis hebridensis*.  
 subsp. okellyi (Druce) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 632 (1988): *Orchis maculata* var. *okellyi*.  
 var. pseudoelata M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 280 (1986), as 'pseudo-elata'—France.  
 majalis  
 var. druceoides M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 280 (1986)—France.  
 maurusia (Emb. & Maire) C. Raynaud, *Orchid. Maroc*: 59 (1985): *Orchis maurusia*.  
 × pardalina (Pugsley) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis pardalina*.  
 × paridaeniana C.A.J. Kreutz in *Eurorchis*, 2: 65 (1990), contrary to Art. H.5.2 ICBN (1988)—Netherlands. (D. elata subsp. sesquipedalis × praetermissa).  
 pindica B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 3(2): 215 (1986 publ. 1987)—Greece.  
 praetermissa  
 var. maculosa D. Tyteca & J.-L. Gathoye in *Orchidophile*, 92: 112 (1990)—Belgium.  
 × proclazkana R. Businský in *Preslia*, 61(4): 305 (1989)—Czechoslovakia. (D. bohemia × maculata subsp. maculata).  
 × robertsii L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986), without latin descr.—Great Britain.  
 × salictina B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 6(1): 35 (1989)—Greece. (D. pindica × smolikana).  
 sambucina  
 var. hybrida (Zimm.) E. Peitz in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 178 (1972): *Orchis sambucina* lus. *hybrida*.  
 savogiensis D. Tyteca & J.-L. Gathoye in *Orchidophile*, 92: 108 (1990)—France.  
 smolikana B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 6(1): 33 (1989)—Greece.  
 × souflensis B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 4(1): 60 (1987)—Greece. (D. baumanniana × pindica).  
 × stagni-novi D. Tyteca & J.-L. Gathoye in *Orchidophile*, 81: 58 (1988)—France. (D. brennensis × fuchsii).  
 vestita (Lagasca & Rodriguez) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 92 (1986): *Orchis vestita*.  
 × vorasica B. & E. Willing in *Ber. Arbeitskr. Heim. Orch.*, 4(1): 63 (1987)—Greece. (D. cordigera × sambucina).
- DAEMONOROPS (Palmae).  
 maculata J. Dransfield in *Kew Bull.*, 45(1): 76 (1990)—Borneo (Sarawak).  
 polita E.S. Fernando in *Gard. Bull. Singapore*, 41(2): 56 (1988 publ. 1989)—Philippine Is.
- DAENIKERANTHUS M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 76 (1989), nom. nov., without replaced synonym ref.: *Dracophyllum* author not stated (Epacridac.).  
 alticolus (Däniker) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 76 (1989), generic name not validly publ.: *Dracophyllum alticolus*.
- DAHLGRENODENDRON J.J.M. van der Merwe & A.E. van Wyk in *S. Afr. J. Bot.*, 54(1): 80 (1988).  
 LAURACEAE.  
 natalense (J.H. Ross) J.J.M. van der Merwe & A.E. van Wyk in *S. Afr. J. Bot.*, 54(1): 82 (1988): *Beilschmiedia natalensis*.
- DAHLIA (Compos.).  
 arborea Huber, *Dahlia arborea*: 1 (1870); *Revue horticole*, 42: 203 (1870); cf. D.J. Mabberley in *Taxon*, 34(3): 453 (1985)—Locality not stated.  
 congestifolia P.D. Sørensen in *Rhodora*, 89(858): 198 (1987)—Mexico.



**DAISWA** (Trilliac.).

- fargesii*  
var. *brevipetalata* T.C. Huang & K.C. Yang in *Taiwania*, 33: 123 (1988)—Taiwan, China.

**DALBERGIA** (Legumin.).

- sect. *Ecastaphylla* (P. Br.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 169 (1983 publ. 1985); gen. *Ecastaphyllum*.  
ser. *Pinnatae* K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 170 (1983 publ. 1985).  
cultrata  
f. *fusca* (Pierre ex Prain) K. Thothathri, *Taxon. Revis. Tribe Dalbergieae in Indian Subcont.*: 94 (1987); D. *fusca*.  
horrida  
var. *concanensis* K. Thothathri, *Taxon. Revis. Tribe Dalbergieae in Indian Subcont.*: 110 (1987)—India.  
hortensis E.P. Heringer, C.T. Rizzini & A. de Mattos Filho in *Rev. Brasil. Biol.*, 47(4): 634 (1987)—Brazil.  
lanceolaria  
var. *assamica* (Benth.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 171 (1983 publ. 1985); D. *assamica*.  
var. *hemsleyi* (Prain) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 172 (1983 publ. 1985); D. *hemsleyi*.  
var. *maymyensis* (Craib) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 172 (1983 publ. 1985); D. *maymyensis*.  
subsp. *paniculata* (Roxb.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 171 (1983 publ. 1985); D. *paniculata*.  
millettii  
var. *mimosoides* (Franch.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 170 (1983 publ. 1985); D. *mimosoides*.  
ovata  
var. *glomeriflora* (Kurz) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 170 (1983 publ. 1985); D. *glomeriflora*.  
palo-escrito J. Rzedowski & L.I. Guridi-Gómez in *Acta Bot. Mex.*, 4: 2 (1988)—Mexico.  
pinnata  
var. *acaciaefolia* (Dalz.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 170 (1983 publ. 1985); D. *acaciaefolia*.  
rimosa  
var. *foliacea* (Wall. ex Benth.) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 170 (1983 publ. 1985); D. *foliacea*.  
yunnanensis  
var. *collettii* (Prain) K. Thothathri in *Bull. Bot. Surv. India*, 25(1-4): 171 (1983 publ. 1985); D. *collettii*.

**DALEA** (Legumin.).

- acarpica* R.C. Barneby in *Brittonia*, 42(2): 89 (1990)—Mexico.  
*adenopoda* (Rydb.) D. Isely in *Brittonia*, 38(4): 353 (1986); *Kuhnistera adenopoda*.  
*glumacea* R.C. Barneby in *Brittonia*, 40(1): 2 (1988)—Peru.  
*isidori* R.C. Barneby in *Brittonia*, 40(1): 5 (1988)—Peru.  
*pennellii*  
var. *chilensis* R.C. Barneby in *Brittonia*, 42(2): 91 (1990)—Chile.  
*tridactylites* R.C. Barneby in *Brittonia*, 40(1): 4 (1988)—Peru.

**DALECHAMPIA** (Euphorbiac.).

- sect. *Tiliifoliae* Webster & W.S. Armbruster in *Syst. Bot.*, 13(3): 310 (1988).  
*armbrusteri* G.L. Webster in *Brittonia*, 41(1): 3 (1989)—Brazil.  
*attenuistylus* W.S. Armbruster in *Brittonia*, 41(1): 44 (1989)—Venezuela.  
*canescens*  
subsp. *friedrichsthali* (Muell. Arg.) G.L. Webster & M.J. Huft in *Ann. Missouri Bot. Gard.*, 75(3): 1109 (1988); D. *friedrichsthali*.  
*fernandesii* G.L. Webster in *Brittonia*, 41(1): 1 (1989)—Brazil.  
*liesneri* M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1078 (1989)—Venezuela.

**DALECHAMPIA** :-

- megacarpa* W.S. Armbruster in *Brittonia*, 41(1): 47 (1989)—Venezuela.  
*osana* W.S. Armbruster in *Syst. Bot.*, 13(3): 303 (1988)—Costa Rica.  
*papillistigma* W.S. Armbruster in *Brittonia*, 41(1): 49 (1989)—Venezuela.  
*reitzkleinii* L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 237 (1988)—Brazil.  
*trifoliata*  
var. *trifida* A. Radcliffe-Smith in *Kew Bull.*, 44(3): 450 (1989)—Somali Republic, Ethiopia, Kenya.  
*viridissima* G.L. Webster in *Brittonia*, 41(1): 6 (1989)—Brazil.

**DALZELLIA** (Podostemac.).

- sessilis* (Chao) C. Cusset & G. Cusset in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 173 (1988); *Terniopsis sessilis*.

**DAMNACANTHUS** (Rubiace.).

- angustifolius*  
f. *stenophyllus* (Koidz.) T. Yamazaki in *J. Phytogeogr. Taxon.*, 35(2): 73 (1987); *Tetraplasia stenophylla*.  
*indicus*  
subsp. *major* (Sieb. & Zucc.) T. Yamazaki in *J. Phytogeogr. Taxon.*, 35(2): 74 (1987); D. *major*.  
var. *okinawensis* S. Hatusima in *J. Phytogeogr. Taxon.*, 34(1): 9 (1986)—Ryukyu Is.  
var. *pseudogiganteus* S. Hatusima in *J. Phytogeogr. Taxon.*, 35(2): 63 (1987)—Japan.  
*macrophyllus*  
f. *giganteus* (Makino) T. Yamazaki in *J. Phytogeogr. Taxon.*, 35(2): 73 (1987); D. *indicus* γ *giganteus*.  
*okinawensis* S. Hatusima in *J. Phytogeogr. Taxon.*, 34(1): 9 (1986)—Ryukyu Is.  
*shanii* K. Yao & M.B. Deng in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 1 (1990)—China.  
*subspinulosus*  
var. *salicifolius* M.B. Deng & K. Yao in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 2 (1990), with two types cited—China.

**DAMNAXANTHODIUM** J.L. Strother in *Syst. Bot.*, 12(1): 41 (1987). **COMPOSITAE**.

- calvum* (Greenman) J.L. Strother in *Syst. Bot.*, 12(1): 41 (1987); *Perymenium* (?) *calvum*.

**DAMPIERA** (Goodeniace.).

- subsect. *Angulares* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 194 (1988).  
ser. *Camptospora* (Benth.) M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 194 (1988); D. sect. *Camptospora*.  
*angulata* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 209 (1988)—Australia (W. Australia).  
*atriplicina* Gardner ex M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 211 (1988)—Australia (W. Australia).  
*decurrens* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 203 (1988)—Australia (W. Australia).  
*deltoidea* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 209 (1988)—Australia (W. Australia).  
*dysantha* (Benth.) M.T.M. Rajput & R.C. Carolin in *Fl. S. Australia*, 3: 1386 (1986); D. *rosmarinifolia* var. *dysantha*.  
*fitzgeraldensis* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 196 (1988)—Australia (W. Australia).  
*fusca* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 205 (1988)—Australia (New South Wales).  
*galbraithiana* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 204 (1988)—Australia (Victoria).  
*heteroptera* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 210 (1988)—Australia (W. Australia).  
*krauseana* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 212 (1988)—Australia (W. Australia).  
*lanceolata*  
var. *insularis* M.T.M. Rajput & R.C. Carolin in *Fl. S. Australia*, 3: 1387 (1986)—Australia (S. Australia).  
var. *intermedia* M.T.M. Rajput & R.C. Carolin in *Fl. S. Australia*, 3: 1387 (1986)—Australia (S. Australia).  
*latealata* (E. Pritzel) M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 204 (1988); D. *trigona* var. *latealata*.

**DAMPIERA** :-

- obliqua* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 208 (1988)—Australia (W. Australia).  
*orchardii* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 197 (1988)—Australia (W. Australia).  
*pedunculata* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 200 (1988)—Australia (W. Australia).  
*ramosa* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 213 (1988)—Australia (W. Australia).  
*rodwayana* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 201 (1988)—Australia (New South Wales).  
*salahae* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 198 (1988)—Australia (W. Australia).  
*scaevolina* Gardner ex M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 196 (1988)—Australia (W. Australia).  
*sylvestris* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 206 (1988)—Australia (New South Wales, Queensland).  
*tenuicaulis*  
var. *curvula* (Krause) M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 210 (1988); D. *curvula*.  
*tephrea* M.T.M. Rajput & R.C. Carolin in *Telopea*, 3(2): 199 (1988)—Australia (W. Australia).

**DANSIEA** (Combretac.).

- grandiflora* L. Pedley in *Fl. Australia*, 18: 326, 262 (1990)—Australia (Queensland).

**DANTHONIA** (Gramin.).

- diemenica* D.I. Morris in *Muelleria*, 7(2): 153 (1990)—Tasmania.  
*melanathera* (Hackel) L.M. Bernardello in *Kurtziana*, 10: 249 (1977); D. *cirrata* var. *melanathera*.  
*minor* (Hook. f.) L. Liou in *Fl. Xizangica*, 5: 207 (1987), without basionym ref.: D. *cachemyriana* var. *minor*.  
*nitens* D.I. Morris in *Muelleria*, 7(2): 155 (1990)—Tasmania.  
*popinensis* D.I. Morris in *Muelleria*, 7(2): 157 (1990)—Tasmania.  
*remota* D.I. Morris in *Muelleria*, 7(2): 160 (1990)—Tasmania.

**DAPHNE** (Thymelaeac.).

- chingshuishaniana* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 531 (1988)—Taiwan.  
*emeiensis* C.Y. Chang in *Guihaia*, 6(4): 267 (1986)—China.  
*erosiloba* C.Y. Chang in *Guihaia*, 6(4): 265 (1986)—China.  
*jinzhaiensis* D.C. Zhang & J.Z. Shao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 37 (1989)—China.  
*ludlowii* D.G. Long & S.J. Rae in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 13 (1989)—Bhutan.  
*odora* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 372 (1784)—Japan.†  
*purpurascens* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 280 (1985)—Xizang.  
*tripartita* H.F. Zhou ex C.Y. Chang in *Guihaia*, 6(4): 268 (1986)—China.

**DAPHNIPHYLLUM** (Daphniphyllac.).

- glaucescens*  
var. *taiwanianum* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 124 (1988), nom. nov.: D. *reticulatum* Keng.

**DAPHNOPSIS** (Thymelaeac.).

- correae* K. Barringer & L.I. Nevling in *Phytologia*, 61(6): 364 (1986)—Panama.  
*costaricensis* K. Barringer & Grayum in *Phytologia*, 61(6): 363 (1986)—Costa Rica.  
*grandis* L.I. Nevling & K. Barringer in *Ann. Missouri Bot. Gard.*, 75(2): 728 (1988)—Ecuador.  
*guaiquinimae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 652 (1987)—Venezuela.  
*lagunae* D.E. Breedlove & J.L. León de la Luz in *Madroño*, 36(4): 267 (1989 publ. 1990)—Mexico.  
*megacarpa* L.I. Nevling & K. Barringer in *Phytologia*, 61(6): 361 (1986)—Mexico.  
*nevlingiana* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 653 (1987)—Venezuela.  
*witsbergeri* L.I. Nevling, Matekaitis & K. Barringer in *Phytologia*, 61(6): 362 (1986)—Salvador.



**DELISSEA :-**

- fernaldii (Rock) *H. St. John in Phytologia*, 63(2): 82 (1987): *Cyanea fernaldii*.  
 ferox (Hillebr.) *H. St. John in Phytologia*, 63(2): 82 (1987): *Cyanea ferox*.  
   *var. laevicalyx (Skottsb.) H. St. John in Phytologia*, 63(2): 82 (1987): *Cyanea ferox var. laevicalyx*.  
 floribunda (E. Wimm.) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea floribunda*.  
 forbesii *H. St. John in Phytologia*, 63(2): 83 (1987), nom. nov.: *Cyanea undulata Forbes*.  
 fruticosa *H. St. John in Phytologia*, 63(5): 342 (1987)—Hawaiian Is.  
 gayana (Rock) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea gayana*.  
   *var. duvelii (Rock) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea gayana var. duvelii*.  
   *var. wainihaensis (Rock) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea gayana var. wainihaensis*.  
 gibsonii (Hillebr.) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea gibsonii*.  
 giffardii (Rock) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea giffardii*.  
 glabra (E. Wimm.) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea knudsenii var. glabra*.  
 glabrifolia *H. St. John in Phytologia*, 63(5): 342 (1987)—Hawaiian Is.  
 globosa *H. St. John in Phytologia*, 64(3): 165 (1988)—Hawaiian Is.  
 grimesiana (Gaud.) *H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea grimesiana*.  
   *var. cylindrocalyx (Rock) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea grimesiana var. cylindrocalyx*.  
   *var. hirsutifolia (Rock) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea grimesiana var. hirsutifolia*.  
   *var. lydgatei (Rock) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea grimesiana var. lydgatei*.  
   *var. mauiensis (Rock) H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea grimesiana var. mauiensis*.  
   *var. munroi (Hosaka) H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea grimesiana var. munroi*.  
   *var. obatae (St. John) H. St. John in Phytologia*, 63(2): 83 (1987): *Cyanea grimesiana var. obatae*.  
 habenata *H. St. John in Phytologia*, 63(5): 342 (1987)—Hawaiian Is.  
 haleakalaensis (St. John) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea haleakalaensis*.  
 hamatiflora (Rock) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea hamatiflora*.  
 hanaensis (St. John) *H. St. John in Phytologia*, 64(3): 165 (1988), without exact basionym page: *Cyanea hanaensis*.  
 hirtella  
   *var. striata (E. Wimm.) H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea hirtella var. striata*.  
   *var. subglabra (E. Wimm.) H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea hirtella var. subglabra*.  
 holophylla (Hillebr.) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea holophylla*.  
   *var. obovata (Rock) H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea holophylla var. obovata*.  
 horrida (Rock) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea ferox var. horrida*.  
 humilis (H. Wawra) *H. St. John in Phytologia*, 63(5): 342 (1987): *Cyanea humilis*.  
 hypoleuca *H. St. John in Phytologia*, 63(5): 342 (1987)—Hawaiian Is.  
 iliahiatilis *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 impediellata *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 inermis *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 inermis *H. St. John in Phytologia*, 64(3): 172 (1988)—Hawaiian Is.  
 inflatispinosa *H. St. John in Phytologia*, 64(3): 165 (1988)—Hawaiian Is.  
 kahiliensis *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 kawalaensis *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.

**DELISSEA :-**

- keaensis *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 kealawelaensis *H. St. John in Phytologia*, 63(5): 343 (1987)—Hawaiian Is.  
 kipahuluensis *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 knudsenii (Rock) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea knudsenii*.  
 kohalaensis *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 kolekoleensis *H. St. John in Phytologia*, 63(5): 344 (1987)—Hawaiian Is.  
 konaensis *H. St. John in Phytologia*, 59(5): 315 (1986)—Hawaiian Is.  
 larrisonii (Rock) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea larrisonii*.  
 latibasilaris *H. St. John in Phytologia*, 63(5): 344 (1987)—Hawaiian Is.  
 latior *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 lauliiiana T.G. Lammers in *Syst. Bot.*, 13(4): 505 (1988), nom. nov.: *D. laciniata var. parvifolia Rock*.  
 leiophylla *H. St. John in Phytologia*, 63(5): 344 (1987)—Hawaiian Is.  
 leptostegia (A. Gray) *H. St. John in Phytologia*, 63(2): 84 (1987): *Cyanea leptostegia*.  
   *var. velutina (Skottsb.) H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea leptostegia var. velutina*.  
 ligulata *H. St. John in Phytologia*, 63(5): 344 (1987)—Hawaiian Is.  
 limahuliensis *H. St. John in Phytologia*, 63(5): 344 (1987)—Hawaiian Is.  
 linearifolia (Rock) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea linearifolia*.  
 lobata (H. Mann) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea lobata*.  
   *var. hamakuae (Rock) H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea lobata var. hamakuae*.  
 longiantherae *H. St. John in Phytologia*, 63(5): 345 (1987)—Hawaiian Is.  
 longicalyx *H. St. John in Phytologia*, 63(5): 345 (1987)—Hawaiian Is.  
 longipedunculata (Rock) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea longipedunculata*.  
 longissima (Rock) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea scabra var. longissima*.  
 lumahaensis *H. St. John in Phytologia*, 63(5): 345 (1987)—Hawaiian Is.  
 lydgatei *H. St. John in Phytologia*, 63(5): 345 (1987), nom. nov.: *Cyanea undulata Forbes*.  
 lyonii *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 maceldowneyi (Rock) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea maceldowneyi*.  
 macrostegia (Hillebr.) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea macrostegia*.  
   *var. parvibracteata (Rock) H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea macrostegia var. parvibracteata*.  
   *var. viscosa (Rock) H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea macrostegia var. viscosa*.  
 magnifica (E. Wimm.) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea magnifica*.  
 mariana (E. Wimm.) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea mariana*.  
 marksii (Rock) *H. St. John in Phytologia*, 63(2): 85 (1987): *Cyanea marksii*.  
 megacarpa (Rock) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea pilosa var. megacarpa*.  
 membranacea (Rock) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea membranacea*.  
 molokaiensis *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 multiramosa *H. St. John in Phytologia*, 63(5): 345 (1987)—Hawaiian Is.  
 multispicata (H. Lévl.) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea multispicata*.  
 muriculata *H. St. John in Phytologia*, 64(3): 166 (1988)—Hawaiian Is.  
 napaliensis *H. St. John in Phytologia*, 63(5): 345 (1987)—Hawaiian Is.  
 nelsonii (St. John) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea nelsonii*.  
 nemorosa *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.

**DELISSEA :-**

- nigra *H. St. John in Phytologia*, 63(5): 346 (1987)—Hawaiian Is.  
 noli-me-tangere (Rock) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea noli-me-tangere*.  
 occultans (St. John) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea occultans*.  
 olokuensis *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.  
 ovatisepala (E. Wimm.) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea ovatisepala*.  
 palakea (C.N. Forbes) *H. St. John in Phytologia*, 63(2): 86 (1987): *Cyanea palakea*.  
 paliensis *H. St. John in Phytologia*, 63(5): 346 (1987)—Hawaiian Is.  
 parva *H. St. John in Phytologia*, 63(5): 346 (1987)—Hawaiian Is.  
 perlmanii *H. St. John in Phytologia*, 63(5): 346 (1987), as 'perlmannii'—Hawaiian Is.  
 pluriflora *H. St. John in Phytologia*, 63(5): 346 (1987)—Hawaiian Is.  
 procera (Hillebr.) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea procera*.  
 profuga (C.N. Forbes) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea profuga*.  
 puberula *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.  
 pulchra (Rock) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea pulchra*.  
 purpurea *H. St. John in Phytologia*, 63(5): 347 (1987)—Hawaiian Is.  
 pycnocarpa (Hillebr.) *H. St. John in Phytologia*, 63(2): 87 (1987): *D. arborea var. pycnocarpa*.  
 quercifolia (Hillebr.) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea solanacea var. quercifolia*.  
   *var. atropurpurea (E. Wimm.) H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea quercifolia var. atropurpurea*.  
 ramosa *H. St. John in Phytologia*, 63(5): 347 (1987)—Hawaiian Is.  
 remyi (Rock) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea remyi*.  
 robinsonii *H. St. John in Phytologia*, 63(5): 347 (1987)—Hawaiian Is.  
 rockii (E. Wimm.) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea rockii*.  
 rollandioides (Rock) *H. St. John in Phytologia*, 63(2): 87 (1987): *Cyanea rollandioides*.  
 scabra (Hillebr.) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea scabra*.  
   *var. variabilis (Rock) H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea scabra var. variabilis*.  
 scopuli *H. St. John in Phytologia*, 63(5): 347 (1987)—Hawaiian Is.  
 serratifolia (Rock) *H. St. John in Phytologia*, 63(5): 347 (1987); *et in Phytologia*, 64(3): 172 (1988): *Cyanea coriacea var. serratifolia*.  
 sessilis *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.  
 shipmanii (Rock) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea shipmanii*.  
 simplex *H. St. John in Phytologia*, 63(5): 348 (1987), as 'simples'—Hawaiian Is.  
   *f. maculata H. St. John in Phytologia*, 63(5): 348 (1987)—Hawaiian Is.  
 sinuata  
   *subsp. lanaiensis (Rock) T.G. Lammers in Syst. Bot.*, 13(4): 505 (1988): *D. sinuata var. lanaiensis*.  
 solanacea (Hillebr.) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea solanacea*.  
 solenocalyx (Hillebr.) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea solenocalyx*.  
   *var. latifolia (E. Wimm.) H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea solenocalyx var. latifolia*.  
 spatulata (Hillebr.) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea coriacea var. spatulata*.  
 stictophylla (Rock) *H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea stictophylla*.  
   *var. inermis (Rock) H. St. John in Phytologia*, 63(2): 88 (1987): *Cyanea stictophylla var. inermis*.  
 subacuminata *H. St. John in Phytologia*, 63(5): 348 (1987)—Hawaiian Is.  
 subintegra *H. St. John in Phytologia*, 63(5): 348 (1987)—Hawaiian Is.  
 submuricata (E. Wimm.) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea submuricata*.

**DELISSEA** :-

- subobtusa *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.  
 subsessilis *H. St. John in Phytologia*, 63(5): 348 (1987)—Hawaiian Is.  
 superba (*Cham.*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Lobelia superba*.  
   *var. velutina* (*Rock*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea superba* *var. velutina*.  
 sylvestris (*A. Heller*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea sylvestris*.  
   *var. eriantha* (*Skottsb.*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea eriantha*.  
 tritomantha (*A. Gray*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea tritomantha*.  
   *var. lydgatei* (*Rock*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea tritomantha* *var. lydgatei*.  
 truncata (*Rock*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Rollandia truncata*.  
   *var. juddii* (*C.N. Forbes*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea juddii*.  
 umbrosa *H. St. John in Phytologia*, 63(5): 348 (1987)—Hawaiian Is.  
 undulata  
   *subsp. kauaiensis* *T.G. Lammers in Syst. Bot.*, 13(4): 505 (1988)—Hawaiian Is.  
   *subsp. niuhauensis* (*H. St. John*) *T.G. Lammers in Syst. Bot.*, 13(4): 505 (1988): *D. niuhauensis*.  
 virgata *H. St. John in Phytologia*, 63(5): 349 (1987)—Hawaiian Is.  
 waikamoiensis *H. St. John in Phytologia*, 64(3): 167 (1988)—Hawaiian Is.  
 waikoluensis *H. St. John in Phytologia*, 64(3): 168 (1988)—Hawaiian Is.  
 wailauensis (*Rock*) *H. St. John in Phytologia*, 63(2): 89 (1987): *Cyanea wailauensis*.  
 waioliensis *H. St. John in Phytologia*, 63(5): 349 (1987)—Hawaiian Is.  
 waipaensis *H. St. John in Phytologia*, 63(5): 349 (1987)—Hawaiian Is.

**DELPHINIUM** (*Ranunculac.*).

- subject. Aconitoides* (*W.T. Wang*) *M. Tamura in Acta Phytotax. Geobot.*, 41(1-3): 100 (1990): *D. sect. Aconitoides*.  
*sect. Albocoeerulea* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 689 (1987).  
*subject. Albocoeerulea* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 689 (1987).  
*ser. Balansae* *C. Blanché, J. Molero & J. Simon in Collect. Bot.*, 18: 70 (1990).  
*subject. Bicoloria* (*Rydb.*) *N.I. Malyutin in Bot. Zhurn.*, 72(5): 687 (1987): *D. sect. Bicoloria*.  
*subject. Caroliniana* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 691 (1987).  
*subject. Echinata* (*Ewan*) *N.I. Malyutin in Bot. Zhurn.*, 72(5): 689 (1987): *D. ser. Echinatae*.  
*subject. Exaltata* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 688 (1987).  
*sect. Grumosa* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 689 (1987).  
*subject. Kolobopetala* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 687 (1987).  
*subject. Macrocentra* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 690 (1987).  
*ser. Macropetala* *C. Blanché, J. Molero & J. Simon in Collect. Bot.*, 18: 70 (1990).  
*sect. Microcentra* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 689 (1987).  
*sect. Oligophyllon* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 691 (1987).  
*sect. Paroligophyllon* *M. Tamura in Acta Phytotax. Geobot.*, 41(1-3): 101 (1990).  
*subject. Pogonantha* *N.I. Malyutin in Bot. Zhurn.*, 72(5): 690 (1987).  
 albocoeeruleum  
   *var. latilobum* *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 19(4): 676 (1988)—China.  
 anatolicum *H. Misirdali, H. Malyer & K.H.C. Başer in Istanbul Univ. Fen Fak. Mecm.*, B, 50: 113 (1985 publ. 1987)—Turkey.  
 andersonii  
   *var. scaposum* (*Greene*) *S.L. Welsh in Great Basin Nat.*, 46(2): 260 (1986): *D. scaposum*.  
 angustirhombicum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 9 (1986)—China.

**DELPHINIUM** :-

- baoshanense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 12 (1986)—China.  
 brevisepalum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 22 (1986)—China.  
 brunonianum  
   *var. nordhagenii* (*Wendelbo*) *R.A. Qureshi & M.N. Chaudhri in Pakistan Syst.*, 4(1-2): 79 (1988): *D. nordhagenii*.  
 carolinianum  
   *subsp. calciphilum* *M.J. Warnock in Phytologia*, 68(1): 4 (1990)—U.S.A. (Tennessee, Alabama, Kentucky, Georgia).  
 chayunense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 16 (1986)—Xizang.  
 cilicicum *P.H. Davis & Kit Tan in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 267 (1986)—Turkey.  
 conaense *W.T. Wang in Acta Phytotax. Sin.*, 25(1): 34 (1987)—Xizang.  
 delavayi  
   *var. lasiandrum* *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 14 (1986)—China.  
 denudatum  
   *var. latifolium* *R.A. Qureshi & M.N. Chaudhri in Pakistan Syst.*, 3(1): 11 (1987)—Pakistan.  
   *var. linearifolium* *R.A. Qureshi & M.N. Chaudhri in Pakistan Syst.*, 3(1): 11 (1987)—Pakistan.  
 dolichocentroides  
   *var. leiogynum* *W.T. Wang in Acta Bot. Yunnanica*, 8(3): 263 (1986)—China.  
   *var. parvifolium* *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 96 (1987)—China.  
 fissum  
   *subsp. albiflorum* (*DC.*) *W. Greuter & Burdet in Willdenowia*, 19(1): 44 (1989): *D. albiflorum*.  
   *subsp. bolosii* (*Blanché & Molero*) *J. Vigo in O. de Bolòs & J. Vigo, Fl. Paisos Catalans*, 2: 819 (1990): *D. bolosii*.  
   *subsp. pallasii* (*Nevski*) *W. Greuter & Burdet in Willdenowia*, 19(1): 44 (1989): *D. pallasii*.  
 grandiflorum  
   *var. pilosum* *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 19(4): 677 (1988)—China.  
   *f. roseolum* *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 19(4): 677 (1988)—China.  
 gueneri *P.H. Davis in Fl. Turkey & E. Aegean Is.*, 10: 231, 16 (1988)—Turkey.  
 hanserii  
   *subsp. ewaniamum* *M.J. Warnock in Phytologia*, 68(1): 3 (1990)—U.S.A. (California).  
 hueizeense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 18 (1986)—China.  
 incisulobulatum *W.T. Wang in Acta Phytotax. Sin.*, 25(1): 35 (1987)—Xizang.  
 kaschgaricum *C.Y. Yang & B. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 21 (1989)—Xinjiang.  
 kohatense  
   *var. gilgitense* (*Brühl*) *R.A. Qureshi & M.N. Chaudhri in Pakistan Syst.*, 4(1-2): 64 (1988): *D. saniculaefolium* *var. gilgitense*.  
 kunlunshanicum *C.Y. Yang & B. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 23 (1989)—Xinjiang.  
 latirhombicum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 7 (1986)—China.  
 leiostachyum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 96 (1987)—China.  
 lingbaoense *S.Y. Wang & Q.S. Yang in Acta Bot. Bor.-Occid. Sin.*, 9(1): 42 (1989)—China.  
 medogense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 20 (1986)—Xizang.  
 munzianum *P.H. Davis & Kit Tan in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 267 (1986)—Turkey.  
 nanum  
   *subsp. albolilaceum* (*Maire*) *C. Blanché, J. Molero & J. Simon in Collect. Bot.*, 18: 70 (1990): *D. peregrinum* *f. albolilaceum*.  
   *subsp. elongatum* (*Boiss.*) *C. Blanché, J. Molero & J. Simon in Collect. Bot.*, 18: 70 (1990): *D. peregrinum* *var. elongatum*.  
 ninglangshanicum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 10 (1986)—China.  
 occidentalis  
   *var. barbeyi* (*Huth*) *S.L. Welsh in Great Basin Nat.*, 46(2): 260 (1986): *D. exaltatum* *var. barbeyi*.

**DELPHINIUM** :-

- parishii  
   *subsp. pallidum* (*Munz*) *M.J. Warnock in Phytologia*, 68(1): 2 (1990): *D. parishii* *var. pallidum*.  
 parryi  
   *subsp. maritimum* (*Davidson*) *M.J. Warnock in Phytologia*, 68(1): 2 (1990): *D. parryi* *var. maritimum*.  
   *subsp. purpureum* (*Lewis & Epling*) *M.J. Warnock in Phytologia*, 68(1): 2 (1990): *D. parishii* *subsp. purpureum*.  
 pentagynum  
   *f. gautieri* (*Rouy*) *C. Blanché & Molero in Fontqueria*, 9: 19 (1985): *D. pentagynum* *subsp. gautieri*.  
 pubescens  
   *subsp. mauritanicum* (*Cosson*) *O. de Bolòs & J. Vigo, Fl. Paisos Catalans*, 2: 819 (1990): *D. mauritanicum*.  
 rangtangense *W.T. Wang in Acta Bot. Yunnanica*, 8(3): 262 (1986)—China.  
 spurium *Hort. Berol. ex Hornem., Hort. Hafn., Suppl.*: 59 (1819); *cf. D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.  
 tabatae *M. Tamura in Acta Phytotax. Geobot.*, 37(4-6): 156 (1986)—Nepal.  
 tarbagataicum *C.Y. Yang & B. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 24 (1989)—Xinjiang.  
 uncinatum  
   *var. glabrum* *R.A. Qureshi & M.N. Chaudhri in Pakistan Syst.*, 3(1): 9 (1987)—Pakistan.  
 variegatum  
   *subsp. kinkiense* (*Munz*) *M.J. Warnock in Phytologia*, 68(1): 2 (1990): *D. kinkiense*.  
 wentsaii *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 21(1): 134 (1990)—Xinjiang.  
 xichangense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 1 (1986)—China.  
 yajiangense *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 5 (1986)—China.  
 yangii *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 3 (1986)—China.  
 yuchuanii *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 20(2): 248 (1989)—China.  
 yulungshanicum *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 15 (1986)—China.
- DEMAVENDIA** *M.G. Pimenov in Fl. Iran.*, 162: 450 (1987). **UMBELLIFERAE**.  
 pastinacifolia (*Boiss. & Hausskn.*) *M.G. Pimenov in Fl. Iran.*, 162: 450 (1987): *Peucedanum pastinacifolium*.
- DENDRANTHEMA** (*Compos.*).  
 lavandulaefolium  
   *var. glabriusculum* (*Ling*) *S. Kitamura in Acta Phytotax. Geobot.*, 40(5-6): 138 (1989): *Chrysanthemum bellum* *var. glabriusculum*.  
 miyatojimense (*Kitamura*) *D.J.N. Hind in Kew Mag.*, 5(2): 59 (1988), without exact basionym page; *et in Kew Mag.*, 6(1): 48 (1989): *Chrysanthemum miyatojimense*.  
 nankingense (*Hand.-Mazz.*) *X.D. Cui in Fl. Tsinlingensis*, 1(5): 252 (1985): *Chrysanthemum nankingense*.  
 seticuspe (*Maxim.*) *S. Kitamura in Acta Phytotax. Sin.*, 38: 380 (1987): *Pyrethrum seticuspe*.  
   *f. boreale* (*Makino*) *S. Kitamura in Acta Phytotax. Geobot.*, 38: 381 (1987): *Chrysanthemum indicum* *var. boreale*.  
 yezeense (*Maekawa*) *D.J.N. Hind in Kew Mag.*, 5(2): 59 (1988): *Chrysanthemum yezeense*.  
 zawadskii  
   *var. alpinum* (*Nakai*) *S. Kitamura in Acta Phytotax. Geobot.*, 40(5-6): 138 (1989): *Chrysanthemum sibiricum* *var. alpinum*.

**DENDROBENTHAMIA** (*Cornac.*).

- longipedunculata *S.S. Chang & X. Chen in Guihaia*, 7(2): 128 (1987)—China.  
 qianxinanica *S.S. Chang & X. Chen in Guihaia*, 7(2): 127 (1987)—China.



**DENDROBIUM** (Orchidac.).

- alabense *J.J. Wood in Lindleyana*, 5(2): 90 (1990)—Borneo (Sabah).
- assamicum *S. Chowdhury in Kew Bull.*, 43(4): 667 (1988)—Assam.
- brassii *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 238 (1989)—New Guinea (Papua New Guinea).
- brevicaule  
   *subsp. calcarium* (*J.J. Smith*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 184 (1989); *D. calcarium*.  
   *subsp. pentagonum* (*Kränzlin*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 186 (1989); *D. pentagonum*.
- brevimentum *P.J. Cribb in Kew Bull.*, 41(3): 638 (1986)—Moluccas.
- cacatua *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 48 (1989)—Australia (Queensland).
- capitisyork *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 49 (1989)—Australia (Queensland).
- carnicarinum *P.J. Kores in Allertonia*, 5(1): 92 (1989)—Fiji.
- crystallinum  
   *var. hainanense* *S.J. Cheng & C.Z. Tang in Acta Bot. Austro Sinica*, 2: 26 (1986)—Hainan.
- curvicaule (*Bailey*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 51 (1989); *D. speciosum* var. *curvicaule*.
- diodon  
   *subsp. kodayarensis* *R. Gopalan & A.N. Henry in J. Econ. Taxon. Bot.*, 12(2): 487 (1988 publ. 1989)—India.
- discolor  
   *var. broomfieldii* (*Fitzg.*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 52 (1989); *D. undulatum* var. *broomfieldii*.  
   *subsp. incurvata* *D.J. Liddle & P.I. Forster in Austrobaileya*, 3(2): 320 (1990)—Australia (Queensland), New Guinea (Papua New Guinea).
- dolichophyllum *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 52 (1989)—Australia (Queensland, New South Wales).
- fesselianum *M. Wolff in Orchidee*, 41(3): 97 (1990)—Thailand.
- flexicaule *Z.H. Tsi, S.C. Sun & L.G. Xu in Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 113 (1986)—China.
- greenianum *P.J. Cribb & B. Lewis in Orchid Rev.*, 97(1150): 251 (1989)—Vanuatu.
- guangxiense *S.J. Cheng & C.Z. Tang in Orchid Dig.*, 50(3): 95 (1986)—China.
- henanense *J.L. Lu & L.X. Gao in Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 29 (1990)—China.
- jonesii  
   *subsp. bancroftianum* (*H.G. Reichb.*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 54 (1989); *D. speciosum* var. *bancroftianum*.  
   *subsp. blackburnii* (*Nicholls*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 54 (1989); *D. fusiforme* var. *blackburnii*.
- khasianum *N.C. Deori in J. Orchid Soc. India*, 2(1–2): 73 (1988)—India.
- lancilobum *J.J. Wood in Lindleyana*, 5(2): 90 (1990)—Borneo (Sabah).
- ×lavarackianum *M.A. Clements in Austral. Orchid Res.*, 1: 55 (1989), nom. nov.: *D. bigibbum* var. *venosum* *Bailey*.
- lithocola *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 56 (1989), nom. nov.: *D. phalaenopsis* var. *compactum* *C. White*.
- lueckelianum *H. Fessel & M. Wolff in Orchidee*, 41(2): 38 (1990)—Thailand.
- macropus  
   *subsp. gracilicaule* (*F. Mueller*) *P.S. Green in J. Arnold Arbor.*, 67(1): 115 (1986); *D. gracilicaule*.  
   *subsp. howeanum* (*Maiden*) *P.S. Green in J. Arnold Arbor.*, 67(1): 115 (1986); *D. gracilicaule* var. *howeanum*.
- masarangense  
   *var. chlorinum* (*Ridley*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 196 (1989); *D. chlorinum*.  
   *subsp. theionanthum* (*Schlechter*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 193 (1989); *D. theionanthum*.

**DENDROBIUM** :-

- var. *theionanthum* (*Schlechter*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 193 (1989); *D. theionanthum*.
- melaleucaphillum *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 57 (1989)—Australia (New South Wales, Queensland).
- minutiflorum *S.C. Chen & Z.H. Tsi in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 27 (1989)—China.
- nareshbahadurii *H.B. Naithani in Indian Forester*, 112(1): 66 (1986)—India.
- neolampangense *L.V. Aver'yanov in Bot. Zhurn.*, 73(1): 107 (1988), nom. nov.: *D. indivisum* var. *lampangense* *Rolfe ex Downie*.
- ×nitidum (*Bailey*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 58 (1989); *D. speciosum* var. *nitidum*.
- nobile  
   *var. alboluteum* *D.D. Huyen & L.V. Aver'yanov in Bot. Zhurn.*, 74(7): 1039 (1989)—Vietnam.
- nugentii (*Bailey*) *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 58 (1989); *D. linguiforme* var. *nugentii*.
- pachythrix *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 215 (1989)—New Guinea (Papua New Guinea).
- pedunculatum (*Clemesha*) *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 58 (1989); *D. speciosum* var. *pedunculatum*.
- pierardii *Roxb. ex W.J. Hooker, Exot. Fl.*, 1: t. 9 (1822)—India.†
- prianganense *J.J. Wood & J.B. Comber in Orchid Rev.*, 96(1132): 52 (1988)—Java.
- rex *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 60 (1989), nom. nov.: *D. speciosum* var. *grandiflorum* *Bailey*.
- striaenopsis *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 148 (1989)—Lesser Sunda Is.
- subclausum  
   *var. pandanicola* *J.J. Wood in Kew Bull.*, 41(4): 817 (1986)—New Guinea (Papua New Guinea).  
   *var. phlox* (*Schltr.*) *J.J. Wood in Kew Bull.*, 41(4): 819 (1986); *D. phlox*.  
   *var. speciosum* *J.J. Wood in Kew Bull.*, 41(4): 818 (1986)—New Guinea (Papua New Guinea).
- sulphureum  
   *var. cellulolum* (*J.J. Smith*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 202 (1989); *D. cellulolum*.  
   *var. rigidifolium* *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 200 (1989)—New Guinea (Papua New Guinea).
- tarberi *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 62 (1989), nom. nov.: *D. hillii* *J.D. Hook*.
- tosaense  
   *var. chingshuishanianum* *S.S. Ying in J. Jap. Bot.*, 64(5): 151 (1989)—Taiwan.
- trilobulatum *P.J. Kores in Allertonia*, 5(1): 91 (1989)—Fiji.
- unicarinatum *P.J. Kores in Allertonia*, 5(1): 97 (1989)—Fiji.
- veixillarius  
   *var. albiviride* (*P. van Royen*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 257 (1989); *D. albiviride*.  
   *var. elworthyi* *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 258 (1989)—New Guinea (Papua New Guinea).  
   *var. microblepharum* (*Schlechter*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 255 (1989); *D. microblepharum*.  
   *var. retroflexum* (*J.J. Smith*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 251 (1989); *D. retroflexum*.  
   *var. uncinatum* (*Schlechter*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 253 (1989); *D. uncinatum*.
- violaceum  
   *subsp. cyperifolium* (*Schlechter*) *T.M. Reeve & P.J.B. Woods in Notes Roy. Bot. Gard. Edinburgh*, 46(2): 236 (1989); *D. cyperifolium*.
- zhaojuense *S.C. Sun & L.G. Xu in Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 59 (1988)—China.

**DENDROCALAMOPSIS** (Gramin.).

- atrovirens (*Wen*) *Keng f. ex W.T. Lin in Guihaia*, 10(1): 15 (1990); *Bambusa atrovirens*.

**DENDROCALAMOPSIS** :-

- oldhamii  
   *f. revoluta* (*W.T. Lin & J.Y. Lin*) *W.T. Lin in Guihaia*, 10(1): 15 (1990); *Bambusa oldhamii* f. *revoluta*.  
   *stenoaurita* (*W.T. Lin*) *Keng f. ex W.T. Lin in Guihaia*, 10(1): 15 (1990); *Sinocalamus stenoauritus*.  
   *validus* *Q.H. Dai in Acta Phytotax. Sin.*, 24(5): 393 (1986)—Cultivation.

**DENDROCALAMUS** (Gramin.).

- sect. *Bambusoidetes* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 10, 15 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 7 (1988).
- sect. *Draconicalamus* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 16 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 9 (1988).
- sect. *Patellares* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 12, 18 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 36 (1989).
- subgen. *Sinocalamus* (*McCl.*) *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 10, 16 (1988), without basionym ref.; *et in J. Bamboo Res.*, 7(4): 9 (1988); gen. *Sinocalamus*.
- sect. *Sinocalamus* (*McCl.*) *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 17 (1988), without basionym ref.; *et in J. Bamboo Res.*, 7(4): 13 (1988); gen. *Sinocalamus*.
- bambusoides *J.R. Xue & D.Z. Li in J. Bamboo Res.*, 6(2): 16 (1987)—China.
- barbatus *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 10, 15 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 4 (1988)—China.
- var. *internodiiradicatus* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(4): 6 (1988)—China.
- cinctus *R.B. Majumder ex T.R. Soderstrom & R.P. Ellis in Smithsonian Contrib. Bot.*, 72: 45 (1988)—Sri Lanka.
- farinosus  
   *f. flavostriatus* *T.P. Yi in Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 28 (1986), as 'flavo-striatus'—China.
- fugongensis *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 16 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 9 (1988)—China.
- jianshuiensis *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 17 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 14 (1988)—China.
- liboensis *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 13, 19 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 37 (1989)—China.
- membranaceus  
   *f. fimbriatilgatus* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(4): 4 (1988)—China.
- f. pilosus* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(4): 3 (1988)—China.
- f. striatus* *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(4): 3 (1988)—China.
- minor  
   *var. amoenus* (*Q.H. Dai & C.F. Huang*) *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 8(1): 39 (1989); *Sinocalamus minor* var. *amoenus*.
- pachystachyus *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 17 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 25 (1989)—China.
- peculiaris *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 12, 18 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 32 (1989)—China.
- pulverulentus *L.C. Chia & P.P.H. But in Kew Bull.*, 43(1): 115 (1988)—Cultivation ex China.
- rongchengensis *T.P. Yi & C.Y. Sia in J. Bamboo Res.*, 7(4): 20 (1988)—China.
- semiscandens *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 12, 17 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 28 (1989)—China.
- tomentosus *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 12, 18 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 8(1): 34 (1989)—China.
- yunnanicus *C.J. Hsueh & D.Z. Li in J. Bamboo Res.*, 7(3): 11, 17 (1988), without latin descr. or type; *et in J. Bamboo Res.*, 7(4): 17 (1988)—China.

**DENDROCHILUM** (Orchidac.).

- javieriense *L.K. Magrath, G. Bulmer & I. Shafer in Lindleyana*, 4(3): 135 (1989)—Philippine Is.
- trusmadiense *J.J. Wood in Lindleyana*, 5(2): 93 (1990)—Borneo (Sabah).
- viride *G. Seidenfaden in Op. Bot.*, 89: 85 (1986)—Thailand.

- DENDROCORYNE** (Lindl.) F.G. Brieger in Schlechter Orchideen, 1(11-12): 724 (1981), stated basionym invalid: *Dendrobium* sect *Dendrocoryne* (Orchidac.).†
- ×**DENDROGERIA** hort. in Orchid Rev., 96(1134): centre page pull-out p. 9 (1988). *ORCHIDACEAE*. (*Dendrobium* × *Flickingeria*).
- DENDROPANAX** (Araliac.).  
bracteatus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 8 (1989)—Panama.  
capillaris M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 20 (1989)—Panama.  
globosus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 14 (1989)—Costa Rica, Panama.  
hondurensis M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 14 (1989)—Honduras, Mexico.  
latilobus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 8 (1989)—Panama, Costa Rica.  
maritimus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 17 (1989)—Panama.  
pallidus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 20 (1989)—Guatemala, Mexico.  
panamensis M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 17 (1989)—Panama.  
punctatus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 11 (1989)—Panama.  
ravenii M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 11 (1989)—Costa Rica.
- DENDROPEMON** (Loranthac.).  
claraensis A.T. Leiva Sánchez in Rev. Jard. Bot. Nacion. Univ. Habana, 5(3): 18 (1984 publ. 1985)—Cuba.  
silvae A.T. Leiva Sánchez in Rev. Jard. Bot. Nacion. Univ. Habana, 6(3): 19 (1985 publ. 1986)—Cuba.
- DENDROPHORA** (Viscac.).  
podocarpicola A. Leiva Sánchez in Rev. Jard. Bot. Nacion. Univ. Habana, 7(3): 16 (1986 publ. 1987), nom. nov.: *Arceuthobium cubense* Leiva & Bisse.
- DENDROPHTHOE** (Loranthac.).  
falcata  
var. pubescens (Hook. f.) V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1, 2: 215 (1987): *Loranthus longiflorus* var. *pubescens*.
- DENDROPHTHORA** (Viscac.).  
bulbifera J. Kuijt in Fl. Ecuador, 24(32B): 77 (1986)—Ecuador.  
capillaris J. Kuijt in Fl. Ecuador, 24(32B): 85 (1986)—Ecuador.  
cuneifolia J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 128 (1990)—Venezuela.  
dalstroemii J. Kuijt in Fl. Ecuador, 24(32B): 82 (1986)—Ecuador.  
davidsei J. Kuijt in Ann. Missouri Bot. Gard., 74(3): 514 (1987)—Costa Rica.  
decipiens J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 131 (1990)—Venezuela.  
densifolia J. Kuijt in Fl. Ecuador, 24(32B): 73 (1986)—Ecuador, Peru.  
diffusa J. Kuijt in Brittonia, 39(4): 449 (1987)—Peru.  
dimorpha J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 132 (1990)—Peru.  
fastigiata J. Kuijt in Fl. Ecuador, 24(32B): 82 (1986)—Ecuador.  
glaucia  
subsp. purpurascens (Krug. & Urb.) G. Furrázola Gómez & A.T. Leiva Sánchez in Rev. Jard. Bot. Nacion. Univ. Habana, 7(1): 11 (1986 publ. 1987): *D. purpurascens*.  
karuaiana (Steyermark) J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 134 (1990): *Phoradendron karuaianum*.  
lueri J. Kuijt in Fl. Ecuador, 24(32B): 69 (1986)—Ecuador, Colombia.  
nitidula (Rizzini) J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 135 (1990): *Phoradendron nitidulum*.
- DENDROPHTHORA** :-  
ovata J. Kuijt in Fl. Ecuador, 24(32B): 102 (1986)—Ecuador.  
pearcei (Rusby) J. Kuijt in Fl. Ecuador, 24(32B): 79 (1986): *Phoradendron pearcei*.  
polyantha J. Kuijt in Fl. Ecuador, 24(32B): 71 (1986)—Ecuador.  
solomonis J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 136 (1990)—Bolivia.  
sumacoi J. Kuijt in Fl. Ecuador, 24(32B): 105 (1986)—Ecuador.  
talamancana J. Kuijt in Ann. Missouri Bot. Gard., 74(3): 514 (1987)—Costa Rica.  
tenuiflora (Steyermark & Maguire) J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 138 (1990): *Phoradendron tenuiflorum*.  
tenuifolia J. Kuijt in Fl. Ecuador, 24(32B): 109 (1986)—Ecuador.  
tepuiana (Steyermark) J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 138 (1990): *Phoradendron tepuianum*.  
thomasi J. Kuijt in Fl. Ecuador, 24(32B): 97 (1986)—Ecuador.  
turrialbae J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch., 93(2): 139 (1990)—Costa Rica.  
variabilis J. Kuijt in Fl. Ecuador, 24(32B): 109 (1986)—Ecuador.
- DENDROSENECIO** (Compos.).  
brassiciformis (R.E. & T.C.E. Fr.) D.J. Mabberley in F. Vuilleumier & M. Monasterio (eds.), High Alt. Trop. Biogeog.: 100 (1986): *S. brassiciformis*.  
johnstonii  
subsp. adnivalis (Stapf) D.J. Mabberley in F. Vuilleumier & M. Monasterio (eds.), High Alt. Trop. Biogeog.: 100 (1986): *Senecio adnivalis*.  
keniensis (Bak.f.) D.J. Mabberley in F. Vuilleumier & M. Monasterio (eds.), High Alt. Trop. Biogeog.: 100 (1986): *S. keniensis*.
- DENDROSIDA** (Malvac.).  
cuatrecasasii J. Fuertes in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat., 65: 376 (1989)—Colombia.
- DENDROTROPHE** (Santalac.).  
frutescens  
var. subquinquenervia (Tam) P.C. Tam in Fl. Reipubl. Popul. Sin., 24: 73 (1988): *Henslowia frutescens* var. *subquinquenervia*.  
punctata C.Y. Wu ex D.D. Tao in Fl. Yunnanica, 4: 780, 290 (1986); et in Acta Phytotax. Sin., 25(5): 405 (1987)—China.  
umbellata  
var. longifolia (Lecomte) P.C. Tam in Fl. Reipubl. Popul. Sin., 24: 72 (1988): *Henslowia umbellata* var. *longifolia*.
- DEPPEA** (Rubiace.).  
splendens D.E. Breedlove & D.H. Lorence in Phytologia, 63(1): 43 (1987)—Mexico.
- DESCHAMPSIA** (Gramin.).  
altaica (Schischkin) O.D. Nikiforova in Fl. Sibir. (Poaceae), 2: 88 (1990): *D. caespitosa* var. *altaica*.  
atropurpurea  
subsp. paramushirensis (Kudo) T. Koyama, Grasses of Japan & Neighbour. Regions: 499 (1987): *D. atropurpurea* var. *paramushirensis*.  
caespitosa  
subsp. austrobohemica (Devl) H.J. Conert in G. Hegi, Illustr. Fl. Mitteleur., ed. 3, 1(3: Lief. 4): 308 (1987): *D. austrobohemica*.  
subsp. macrothyrsa (Tatewaki & Ohwi) T. Koyama, Grasses of Japan & Neighbour. Regions: 499 (1987): *D. caespitosa* var. *macrothyrsa*.  
subsp. pyrenaica A.M. Romo in Folia Bot. Misc., 5: 25 (1986)—Spain.  
hispanica  
subsp. gredensis (Vivant) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis, 2: 108 (1986): *D. caespitosa* subsp. *gredensis*.  
littoralis  
var. beringensis (Hult.) P.C. Kuo & Z.L. Wu in Fl. Xizangica, 5: 194 (1987): *D. beringensis*.  
var. ivanovae (Tzvel.) P.C. Kuo & Z.L. Wu in Fl. Xizangica, 5: 194 (1987): *D. ivanovae*.
- DESCHAMPSIA** :-  
media  
subsp. hispanica (Vivant) O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot., 17(1): 96 (1987 publ. 1988): *D. caespitosa* subsp. *hispanica*.  
submutica (Trautv.) O.D. Nikiforova in Fl. Sibir. (Poaceae), 2: 90 (1990): *Aira caespitosa* var. *submutica*.  
vodopjanoviae O.D. Nikiforova in Bot. Zhurn., 72(12): 1666 (1987)—U.S.S.R. (Siberia).
- DESFONTAINIA** (Loganiac.).  
plowmanii R.E. Schultes in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat., 65: 316 (1989)—Colombia.  
spinosa  
var. acutangula (Dun.) R.E. Schultes in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat., 65: 318 (1989): *D. acutangula*.
- DESMANTHUS** (Legumin.).  
balsensis J.L. Contreras Jiménez in Phytologia, 60(2): 89 (1986)—Mexico.  
glomeratus (Forssk.) Lag., Elenchus: 6 (1816); cf. D.J. Mabberley in Taxon, 31(1): 70 (1982): Basionym not stated.
- DESMIDORCHIS** (Asclepiadac.).  
subgen. Apteranthes R. Munster in Cact. Succ. J. New S. Wales, 17: 65 (1990), without latin descr. or type.  
subgen. Teberocousia R. Munster in Cact. Succ. J. New S. Wales, 17: 65 (1990), without latin descr. or type.
- DESMODIASTRUM** (Prain) A. Pramanik & K. Thothathri in J. Ind. Bot. Soc., 65(4): 374 (1986): *Alysicarpus* subgen. *Desmodiastrum* (Legumin.).  
belgaumense (Wight) A. Pramanik & K. Thothathri in J. Ind. Bot. Soc., 65(4): 375 (1986): *Alysicarpus belgaumensis*.  
racemosum (Benth.) A. Pramanik & K. Thothathri in J. Ind. Bot. Soc., 65(4): 376 (1986): *Alysicarpus racemosus*.  
var. parviflorum (Dalz.) A. Pramanik & K. Thothathri in J. Ind. Bot. Soc., 65(4): 377 (1986): *Alysicarpus parviflorus*.  
var. rotundifolium (Dalz. ex Prain) A. Pramanik & K. Thothathri in J. Ind. Bot. Soc., 65(4): 378 (1986): *Alysicarpus rotundifolius*.
- DESMODIUM** (Legumin.).  
cordifoliolatum P.C. Li in Acta Bot. Yunnanica, 11(3): 301 (1989)—China.  
cordistipulum  
f. cryptopodium (Blake) Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 462 (1987): *Meibomia cryptopoda*.  
elegans  
var. albiflorum P.C. Li in Fl. Xizangica, 2: 892 (1985)—Xizang.  
var. callianthum (Franch.) P.C. Li in Fl. Xizangica, 2: 891 (1985), without basionym ref.: *D. callianthum*.  
heterocarpon  
var. ovalifolium (Wall. ex Prain) Rugayah in Berita Biol., 3(5): 205 (1986); et in Reinwardtia, 10(3): 382 (1987): *D. polycarpum* var. *ovalifolium*.  
leptomeris (Blake) Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 471 (1987): *Meibomia leptomeris*.  
michelianum (Schindl.) Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 474 (1987): *Meibomia micheliana*.  
michoacanum Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 474 (1987)—Mexico.  
novogalicianum Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 477 (1987)—Mexico.  
orbiculare  
var. rubricaula (Rose & Painter) Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 478 (1987): *Meibomia rubricaulis*.  
pendenticarpum C.Z. Gao & Q.R. Lai in Bull. Bot. Res. North-East. Forest. Inst., 9(4): 41 (1989), with two types cited—China.  
saxatile (Morton) Schubert & R. McVaugh in R. McVaugh, Fl. Novo-Galiciana, 5: 485 (1987): *Meibomia saxatilis*.

**DESMODIUM** :-

- scalare Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 485 (1987)—Mexico.
- schubertiae H. Ohashi in J. Arnold *Arbor.*, 71(3): 381 (1990)—Vietnam, Cambodia.
- skinneri
- var. curtum (M.E. Jones) Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 488 (1987); D. luteocanescens var. curtum.
- var. flavovirens Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 489 (1987)—Mexico.
- var. mortonii Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 489 (1987)—Mexico.
- unibotryosum C. Chen & X.J. Cui in *Acta Bot. Yunnanica*, 9(3): 307 (1987), nom. nov.: Hedysarum diffusum Roxb.
- urarioides (Blake) Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 494 (1987): Meibomia urarioides.
- velutinum
- var. lasiocarpum (P. Beauv.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 383 (1987): Hedysarum lasiocarpum.
- volubile (Schindl.) Schubert & R. McVaugh in R. McVaugh, *Fl. Novo-Galiciana*, 5: 494 (1987): Meibomia volubilis.

**DESMONCUS** (Palmae).

- cirrifer A.H. Gentry & Zardini in *Ann. Missouri Bot. Gard.*, 75(4): 1436 (1988 publ. 1989)—Colombia.
- stans M.H. Grayum & G.C. de Nevers in *Principes*, 32(3): 106 (1988)—Costa Rica.

**DESMOS** (Annonac.).

- goezeanus (F. Muell.) L.W. Jessup in *Austrobaileya*, 2(3): 227 (1986): Uvaria goezeana.
- sootepense (Craib) J.F. Maxwell in *Nat. Hist. Bull. Siam Soc.*, 37(2): 177 (1989): Dasymaschalon sootepense.
- wardianus (Bailey) L.W. Jessup in *Austrobaileya*, 2(3): 227 (1986): Unona wardiana.

**DEUTEROCOHNIA** (Bromeliac.).

- brevispicata W. Rauh & L. Hromadnik in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 5 (1988)—Bolivia.

**DEUTZIA** (Hydrangeac.).

- compacta
- var. multiradiata J.T. Pan in *Fl. Xizangica*, 2: 532 (1985)—Xizang.
- corymbosa
- var. dinggyensis J.T. Pan in *Fl. Xizangica*, 2: 531 (1985)—Xizang.
- crenata
- var. floribunda (Nakai) H. Ohba in *J. Jap. Bot.*, 64(11): 324 (1989): D. floribunda.
- discolor
- var. gannanensis L.C. Wang & X.G. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 46 (1990)—China.
- naseana
- var. amanoi (Hatusima) Hatusima ex H. Ohba in *J. Jap. Bot.*, 64(11): 324 (1989): D. amanoi.
- var. macrantha Hatusima ex H. Ohba in *J. Jap. Bot.*, 64(11): 325 (1989)—Ryukyu Is.
- ningpoensis
- f. integrifoliis D.Y. Liu & J. Han in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 141 (1988)—China.
- pulchra
- var. bartlettii (Yamamoto) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 525 (1987): D. bartlettii.
- var. hayatae (Nakai) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 525 (1987): D. hayatae.

**DEVERRA** (Umbellif.).

- denudata (Viv.) R. Pfisterer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 587 (1986): Pituranthos denudatus.
- subsp. aphylla (Cham. & Schlechtend.) R. Pfisterer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 589 (1986): Bubon aphyllus.

**DEVERRA** :-

- scoparia
- subsp. tripolitana (Andreansky) R. Pfisterer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 594 (1986): Pituranthos tripolitanus.
- triradiata
- subsp. intermedia (Chevall.) R. Pfisterer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 599 (1986): D. intermedia.
- subsp. musilii (Chrtek, Osborn. & Sourkova) R. Pfisterer & D. Podlech in *Mitt. Bot. Staatssamml. München*, 22: 598 (1986): D. musilii.

- DEVIA** P. Goldblatt & J.C. Manning in *Ann. Missouri Bot. Gard.*, 77(2): 362 (1990). **IRIDACEAE**.
- xeromorpha P. Goldblatt & J.C. Manning in *Ann. Missouri Bot. Gard.*, 77(2): 362 (1990)—South Africa (Cape Province).

**DEYEUXIA** (Gramin.).

- sect. Pungentes Z.E. Rúgolo de Agrasar in *Parodiana*, 4(1): 100 (1986).
- apsleyensis D.I. Morris in *Muelleria*, 7(2): 160 (1990)—Tasmania.
- borii S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 208 (1983 publ. 1985), nom. nov.: Agrostis nagensis Bor.
- cabrerae
- var. maxima Z.E. Rúgolo de Agrasar in *Parodiana*, 4(1): 106 (1986)—Argentina.
- var. trichopoda Parodi ex Z.E. Rúgolo de Agrasar in *Parodiana*, 4(1): 107 (1986)—Argentina.
- himalaica L. Liou in *Fl. Xizangica*, 5: 215 (1987), without latin descr. or type—Xizang.
- innominata D.I. Morris in *Muelleria*, 7(2): 164 (1990)—Tasmania, Australia (Victoria, New South Wales).
- nyingchiensis P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 221 (1987)—Xizang.
- pulchella
- var. laxa P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 218 (1987)—Xizang.
- tibetica
- var. przewalskyi (Tzvel.) P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 225 (1987), without basionym ref.: Calamagrostis przewalskyi.
- zangxiensis P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 228 (1987)—Xizang.

- DHOFARIA** A.G. Miller in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 55 (1988). **CAPPARACEAE**.
- macleishii A.G. Miller in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 55 (1988)—Oman.

- DIAMENA** P. Ravenna in *Op. Bot.*, 92: 185 (1987). **ANTHERICACEAE**.
- stenantha (Rav.) P. Ravenna in *Op. Bot.*, 92: 188 (1987): Anthericum stenanthum.

- DIANDRANTHUS** L. Liou in *Fl. Xizangica*, 5: 308 (1987), without type. **GRAMINEAE**.
- corymbosus L. Liou in *Fl. Xizangica*, 5: 312 (1987), generic name not validly publ.—Xizang.
- nepalensis (Trin.) L. Liou in *Fl. Xizangica*, 5: 313 (1987), generic name not validly publ.: Eulalia nepalensis.
- nudipes (Griseb.) L. Liou in *Fl. Xizangica*, 5: 312 (1987), generic name not validly publ. and without basionym ref.: Basionym not stated.
- ramosus L. Liou in *Fl. Xizangica*, 5: 310 (1987), generic name not validly publ.—Xizang.
- taylorii (Bor) L. Liou in *Fl. Xizangica*, 5: 310 (1987), generic name not validly publ.: Miscanthus taylorii.
- tibeticus L. Liou in *Fl. Xizangica*, 5: 308 (1987), generic name not validly publ.—Xizang.
- wardii (Bor) L. Liou in *Fl. Xizangica*, 5: 311 (1987), generic name not validly publ.: Miscanthus wardii.

**DIANELLA** (Phormiac.).

- adenanthera (G. Forster) R.J.F. Henderson in *Austrobaileya*, 2(5): 421 (1988): Anthericum adenanthera.
- atraxis R.J.F. Henderson in *Fl. Australia*, 45: 476, 215 (1987)—Australia (Queensland).
- brevipedunculata R.J.F. Henderson in *Fl. Australia*, 45: 476, 202 (1987)—Australia (Queensland).

**DIANELLA** :-

## caerulea

- var. aquilonia R.J.F. Henderson in *Fl. Australia*, 45: 477, 211 (1987)—Australia (Queensland).
- var. aspera R.J.F. Henderson in *Fl. Australia*, 45: 477, 212 (1987)—Australia (Queensland, New South Wales).
- var. cinerascens R.J.F. Henderson in *Fl. Australia*, 45: 477, 212 (1987)—Australia (New South Wales).
- var. petasmatodes R.J.F. Henderson in *Fl. Australia*, 45: 478, 213 (1987)—Australia (Queensland, New South Wales).
- var. producta R.J.F. Henderson in *Fl. Australia*, 45: 478, 211 (1987)—Australia (Queensland, New South Wales).
- var. protensa R.J.F. Henderson in *Fl. Australia*, 45: 478, 213 (1987)—Australia (Queensland, New South Wales).
- var. vannata R.J.F. Henderson in *Fl. Australia*, 45: 478, 213 (1987)—Australia (Queensland, New South Wales), New Guinea (Papua New Guinea).
- crinoides R.J.F. Henderson in *Fl. Australia*, 45: 479, 207 (1987)—Australia (Queensland, New South Wales).
- incollata R.J.F. Henderson in *Fl. Australia*, 45: 480, 197 (1987)—Australia (Queensland).
- longifolia
- var. fragrans R.J.F. Henderson in *Fl. Australia*, 45: 480, 205 (1987)—Australia (Queensland).
- var. grandis R.J.F. Henderson in *Fl. Australia*, 45: 481, 205 (1987)—Australia (Queensland, S. Australia, New South Wales, Victoria).
- var. porracea R.J.F. Henderson in *Fl. Australia*, 45: 481, 206 (1987)—Australia (Queensland, New South Wales, S. Australia).
- var. stupata R.J.F. Henderson in *Fl. Australia*, 45: 481, 207 (1987)—Australia (Queensland, New South Wales).
- var. surculosa R.J.F. Henderson in *Fl. Australia*, 45: 481, 207 (1987)—Australia (Queensland, New South Wales).
- nervosa R.J.F. Henderson in *Fl. Australia*, 45: 482, 208 (1987)—Australia (Queensland, New South Wales).
- pavopennacea R.J.F. Henderson in *Fl. Australia*, 45: 482, 218 (1987)—Australia (Queensland).
- var. major R.J.F. Henderson in *Fl. Australia*, 45: 482, 219 (1987)—Australia (Queensland).
- var. robusta R.J.F. Henderson in *Fl. Australia*, 45: 483, 219 (1987)—Australia (Queensland).
- prunina R.J.F. Henderson in *Fl. Australia*, 45: 483, 202 (1987)—Australia (New South Wales).
- revoluta
- var. divaricata (R. Br.) R.J.F. Henderson in *Fl. Australia*, 45: 484 (1987): D. divaricata.
- var. minor R.J.F. Henderson in *Fl. Australia*, 45: 484, 201 (1987)—Australia (Queensland).
- var. tenuis R.J.F. Henderson in *Fl. Australia*, 45: 484, 201 (1987)—Australia (Queensland).
- var. vinosa R.J.F. Henderson in *Fl. Australia*, 45: 484, 201 (1987)—Australia (Queensland, New South Wales).
- saffordiana F.R. Fosberg & M.H. Sacht in *Micronesica*, 20(1-2): 132 (1987)—Marianas.

**DIANTHERA** (Acanthac.).

- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 64 (1784)—Japan.†

- DIANTHOVEUS** B.E. Hammel & G.J. Wilder in *Ann. Missouri Bot. Gard.*, 76(1): 113 (1989). **CYCLANTHACEAE**.
- cremnophilus B.E. Hammel & G.J. Wilder in *Ann. Missouri Bot. Gard.*, 76(1): 113 (1989)—Ecuador, Colombia.

**DIANTHUS** (Caryophyllac.).

## algetanus

- subsp. costae (Willk.) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 98 (1989): D. costae.
- subsp. turolensis (Pau) M. Bernal, Lainez & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 45(2): 575 (1988 publ. 1989): D. turolensis.

**DIANTHUS :-**

- angulatus  
subsp. subangulatus K.H. Rechinger in *Fl. Iran.*, 163: 183 (1988)—Afghanistan, Pakistan.
- broteri  
subsp. subbaeticus (Fernández Casas) Fernández Casas, M. Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 44(2): 573 (1987); D. subbaeticus.
- ×carolipau M.B. Crespo & G. Mateo in *An. Jard. Bot. Madrid*, 47(2): 506 (1989 publ. 1990)—Spain. (D. broteri × multiaffinis).
- caucasicus Spreng. in *Henckel, Adumb. Pl. Hort. Hal.*: 23 (1806); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- costae  
subsp. algetanus (Graells ex Williams) M. Lainz, Muñoz Garmendia & Soriano in *An. Jard. Bot. Madrid*, 43(2): 473 (1986 publ. 1987); D. algetanus.
- subsp. multiaffinis (Pau) M. Lainz in *An. Jard. Bot. Madrid*, 43(2): 473 (1986 publ. 1987); D. multiaffinis.
- subsp. turolensis (Pau) M. Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 43(2): 473 (1986 publ. 1987); D. turolensis.
- crinitus  
subsp. baldzhuanicus (Lincz.) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 285 (1986); D. baldzhuanicus.
- subsp. kermanensis K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 286 (1986)—Iran.
- subsp. nuristanicus (Gilli) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 285 (1986); D. nuristanicus.
- subsp. tetralapis (Nevski) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 286 (1986); D. tetralapis.
- subsp. turcomanicus (Schischk.) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 287 (1986); D. turcomanicus.
- denaicus M. Assadi in *Iranian J. Bot.*, 3(1): 17 (1985)—Iran.
- diversifolius M. Assadi in *Iranian J. Bot.*, 3(1): 40 (1985)—Iran.
- furcatus  
subsp. benearenensis (H. Loret) M. Kerguelen in *Lejeunia*, 120: 79 (1987); D. benearenensis.
- subsp. requienii (Godron) M. Kerguelen in *Lejeunia*, 120: 80 (1987); D. requienii.
- goerkii P. Hartwig & A. Strid in *Bot. Jahrb.*, 108(2-3): 321 (1987)—Turkey.
- hafezii M. Assadi in *Iranian J. Bot.*, 3(1): 23 (1985)—Iran.
- ×helveticorum M. Lainz in *An. Jard. Bot. Madrid*, 42(2): 549 (1985 publ. 1986)—Spain.
- hyssopifolius  
subsp. gallicus (Pers.) M. Lainz & F. Muñoz Garmendia in *An. Jard. Bot. Madrid*, 44(2): 572 (1987); D. gallicus.
- inoxianus M.J. Gallego in *Lagascalia*, 14(1): 71 (1986)—Spain.
- japonicus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 417 (1784)—Japan.†
- langeanus  
subsp. gredensis (Pau ex Caballero) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 108 (1986); D. gredensis.
- laricifolius  
subsp. marizii (Samp.) J. do Amaral Franco in *Ann. Bot. Fenn.*, 23(1): 91 (1986); D. graniticus var. marizii.
- subsp. marizii (Samp.) Franco ex M. Lainz in *An. Jard. Bot. Madrid*, 43(1): 196 (1986); D. graniticus var. marizii.
- subsp. merinoi (Lainz) M. Lainz in *An. Jard. Bot. Madrid*, 43(1): 197 (1986); D. merinoi.
- multiceps  
subsp. praepyrenaeus M. Bernal in *An. Jard. Bot. Madrid*, 44(2): 569 (1987)—Spain.
- nitidus  
subsp. lakusicii T. Wraber in *Biol. Vestn.*, 36(4): 97 (1988)—Yugoslavia.
- orientalis  
subsp. aphanoneurus K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 290 (1986)—Iran.
- subsp. gilanicus K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 289 (1986)—Iran.

**DIANTHUS :-**

- subsp. gorganicus K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 291 (1986)—Iran.
- subsp. macropetalus (Boiss.) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 289 (1986); D. fimbriatus var. macropetalus.
- subsp. nassireddini (Stapp) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 292 (1986); D. nassireddini.
- subsp. obtusisquameus (Boiss.) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 291 (1986); D. fimbriatus var. obtusisquameus.
- subsp. stenocalyx (Boiss.) K.H. Rechinger in *Pl. Syst. Evol.*, 151(3-4): 292 (1986); D. fimbriatus var. stenocalyx.
- palinensis S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 693 (1987)—Taiwan.
- pungens  
subsp. brachyanthus (Boiss.) Bernal, Fernández Casas, G. López, M. Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 44(1): 180 (1987); D. brachyanthus.
- subsp. ruscionensis (Boiss.) M. Bernal, Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 44(2): 571 (1987); D. brachyanthus var. ruscionensis.
- pyrenaicus  
subsp. attenuatus (Sm.) M. Bernal, Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 45(1): 364 (1988); D. attenuatus.
- repens  
var. scabripilosus Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 20(1): 110 (1989)—China.
- rudbaricus M. Assadi in *Iranian J. Bot.*, 3(1): 38 (1985)—Iran.
- sahandicus M. Assadi in *Iranian J. Bot.*, 3(1): 45 (1985)—Iran.
- ×saxatilis  
nothosubsp. varians (Rouy & Fouc.) M. Bernal, Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 45(1): 367 (1988); D. × varians.
- seguieri  
subsp. requienii (Godron) M. Bernal, Lainz & Muñoz Garmendia in *An. Jard. Bot. Madrid*, 44(2): 569 (1987); D. requienii.
- subsp. vigoi (Lainz) O. de Bolòs in *O. de Bolòs & J. Vigo, Fl. Països Catalans*, 2: 757 (1990); D. vigoi.
- serratifolius  
subsp. abbreviatus (Heldr. ex Halácsy) A. Strid in *A. Strid (ed.), Mount. Fl. Greece*, 1: 179 (1986); D. serratifolius var. abbreviatus.
- subacaulis  
subsp. ruscionensis (Boiss.) G. Bosc & M. Kerguelen in *Lejeunia*, 120: 80 (1987); D. brachyanthus var. ruscionensis.
- subaphyllus (Lempe) K.H. Rechinger in *Fl. Iran.*, 163: 170 (1988); D. tabrisianus var. subaphyllus.
- superbus  
f. leucanthus T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989)—Japan.
- sylvestris  
var. godronianus (Jordan) M. Kerguelen in *Lejeunia*, 120: 81 (1987); D. godronianus.
- tabrisianus  
var. coloratus (Bornm.) K.H. Rechinger in *Fl. Iran.*, 163: 147 (1988); D. pachypetalus var. coloratus.
- tlaratensis Sh.A. Guseinov in *Bot. Zhurn.*, 75(2): 234 (1990)—U.S.S.R. (Caucasus).
- vigoi M. Lainz in *An. Jard. Bot. Madrid*, 42(2): 551 (1985 publ. 1986)—Spain.
- viridescens Clem. in *Atti 3 Riun. Sci. Ital.*: 520 (1841); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.
- webbianus Parol. ex Vis. in *Atti 2 Riun. Sci. Ital.*: 180 (1841); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.
- ×DIAPHANANGIS hort. in *Orchid Rev.*, 94(1112): centre page pull-out p. 8 (1986). ORCHIDACEAE. (Aerangis × Diaphanathe).

**DIAPHANANTHE (Orchidac.).**

- alfredi D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 182 (1990)—Burundi.
- bilobata (Summerh.) F.N. Rasmussen in *Norw. J. Bot.*, 21(3): 229 (1974); Sarcorhynchus bilobatus.
- caffra (H. Bol.) H.P. Linder in *Kew Bull.*, 44(2): 318 (1989); Angraecum caffrum.

**DIAPHANANTHE :-**

- eggelingii P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 526 (1989)—Uganda.
- millarii (H. Bol.) H.P. Linder in *Kew Bull.*, 44(2): 318 (1989); Mystacidium millarii.
- orientalis (Mansf.) F.N. Rasmussen in *Norw. J. Bot.*, 21(3): 229 (1974); Sarcorhynchus orientalis.
- polyantha (Kränzl.) F.N. Rasmussen in *Norw. J. Bot.*, 21(3): 229 (1974); Mystacidium polyanthum.
- stellata P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 538 (1989)—Tanzania.

**DIAPHANOPTERA (Caryophyllac.).**

- stenocalycina K.H. Rechinger & H. Schiman-Czeika in *Fl. Iran.*, 163: 334 (1988)—Iran.
- transhyrcana (Preobr.) K.H. Rechinger & H. Schiman-Czeika in *Fl. Iran.*, 163: 335 (1988); Acanthophyllum transhyrcanum.

**DIASCIA (Scrophulariac.).**

- austromontana K.E. Steiner in *S. Afr. J. Bot.*, 55(2): 250 (1989)—South Africa (Natal), Lesotho.
- transkeiana O.M. Hilliard & B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 87 (1988)—South Africa (Cape Province).

**DICENTRA (Papaverac.).**

- macrocapnos D. Prain in *J. Asiat. Soc. Bengal*, 65: 11, 12 (1896)—India.

**DICERANDRA (Labiat.).**

- christmanii R.B. Huck & W.S. Judd in *Syst. Bot.*, 14(2): 198 (1989)—U.S.A. (Florida).

**DICHAEA (Orchidac.).**

- cleistogama C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 436 (1989)—Ecuador.
- rubroviolacea C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 440 (1989)—Ecuador, Colombia.
- suarezii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 441 (1989)—Ecuador.
- tamboensis C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 442 (1989)—Ecuador.
- undulifolia C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 444 (1989)—Ecuador.

**DICHANTHELIUM (Gramin.).**

- ensifolium  
var. breve (A. Hitchcock & Chase) B.F. Hansen & R.P. Wunderlin in *Ann. Missouri Bot. Gard.*, 75(4): 1646 (1988 publ. 1989); Panicum breve.
- var. unciphyllum (Trinius) B.F. Hansen & R.P. Wunderlin in *Ann. Missouri Bot. Gard.*, 75(4): 1647 (1988 publ. 1989); Panicum unciphyllum.
- portoricense (Desvaux ex Hamilton) B.F. Hansen & R.P. Wunderlin in *Ann. Missouri Bot. Gard.*, 75(4): 1649 (1988 publ. 1989); Panicum portoricense.

**DICHANTHIUM (Gramin.).**

- sericeum  
subsp. humilium (J. Black) B.K. Simon in *Austrobaileya*, 3(1): 83 (1989); D. humilium.
- subsp. polystachyum (Benth.) B.K. Simon in *Austrobaileya*, 3(1): 84 (1989); Andropogon sericeus var. polystachyus.
- tuberculatum (Hack.) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 497 (1986); Andropogon tuberculatus.

**DICHAPETALUM (Dichapetalac.).**

- beckii J. Fernández Casas in *Fontqueria*, 2: 15 (1982)—Bolivia.
- bernalii G.T. Prance in *Brittonia*, 40(4): 441 (1988)—Colombia.
- choristilum  
var. louisii F.J. Breteler in *Agric. Univ. Wageningen Pap.*, 86(3): 32 (1986)—Gabon.
- fadenii F.J. Breteler in *Agric. Univ. Wageningen Pap.*, 86(3): 33 (1986)—Kenya.
- gassitae F.J. Breteler in *Agric. Univ. Wageningen Pap.*, 86(3): 35 (1986)—Gabon.
- letouzeyi F.J. Breteler in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 333 (1989 publ. 1990)—Cameroon.
- lindicum F.J. Breteler in *Kew Bull.*, 45(4): 721 (1990)—Tanzania.
- mexicanum G.T. Prance in *Brittonia*, 40(4): 442 (1988)—Mexico.



**DICHAPETALUM**:-

- potamophilum *F.J. Breteler in Agric. Univ. Wageningen Pap.*, 86(3): 39 (1986)—Gabon, Cameroun.  
prancei *J. Fernández Casas in Fontqueria*, 2: 15 (1982)—Paraguay.

**DICHILUS** (Legumin.).

- reflexus (*N.E. Br.*) *A.L. Schutte in S. Afr. J. Bot.*, 54(2): 184 (1988): *Argyrolobium reflexum*.

**DICHOCARPUM** (Ranunculac.).

- ser. Dalzielia (Tamura & Lauener) D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 259 (1988), as 'Dalzieliana': *D. sect. Dalzielia*.  
*ser. Trachysperma (Tamura & Lauener) D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 263 (1988): *D. subsect. Trachysperma*.  
adiantifolium  
*var. sutchuenense (Franch.) D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 257 (1988): *Isopyrum sutchuenense*.  
auriculatum  
*var. puberulum D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 258 (1988)—China.  
carinata *D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 258 (1988)—China.  
dicarpon  
*var. decumbens M. Tamura & K. Kosuge in Acta Phytotax. Geobot.*, 39(1-3): 45 (1988)—Japan.  
*var. univalve (Ohwi) D.Z. Fu in Acta Phytotax. Sin.*, 26(4): 261 (1988): *Isopyrum dicarpon var. univalve*.  
malipoenense *D.D. Tao in Acta Phytotax. Geobot.*, 40(5-6): 179 (1989)—China.  
nipponicum  
*var. sarmentosum (Ohwi) M. Tamura & K. Kosuge in Acta Phytotax. Geobot.*, 39(1-3): 44 (1988): *Isopyrum nipponicum var. sarmentosum*.

**DICHOPOGON** (Anthericac.).

- capillipes (*Endl.*) *N.H. Brittan in Fl. Australia*, 45: 485 (1987): *Arthropodium capillipes*.  
preissii (*Endl.*) *N.H. Brittan in Fl. Australia*, 45: 486 (1987): *Arthropodium preissii*.  
tyleri *N.H. Brittan in Fl. Australia*, 45: 486, 345 (1987)—Australia (W. Australia).

**DICHOSTYLIS** (Cyperac.).

- limosa (*Maxim.*) *A.E. Kozhevnikov in Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 221 (1988): *Cyperus limosus*.

**DICHROA** (Hydrangeac.).

- ser. Mollissimae S.M. Hwang in Acta Phytotax. Sin.*, 25(5): 386 (1987).  
*ser. Silvicola S.M. Hwang in Acta Phytotax. Sin.*, 25(5): 388 (1987).  
yunnanensis *S.M. Hwang in Acta Phytotax. Sin.*, 25(5): 387 (1987)—China.

**DICLADANTHERA** (Acanthac.).

- glabra *R.M. Barker in J. Adelaide Bot. Gard.*, 9: 171 (1986)—Australia (W. Australia).

**DICLIDOCARPUS** (Tiliac.).

- javanicus (*Bl.*) *W. Theobald in F. Mason, Burmah*, ed. 3, 2: 605 (1883); *cf. D.J. Mabberley in Taxon*, 34(1): 155 (1985): *Trichospermum javanicum*.

**DICLIPTERA** (Acanthac.).

- arnhemica *R.M. Barker in J. Adelaide Bot. Gard.*, 9: 188 (1986)—Australia (N. Terr.).  
australis (*Nees*) *R.M. Barker in J. Adelaide Bot. Gard.*, 9: 190 (1986): *Brochosiphon australis*.  
bupleuroides  
*var. ciliata K.A. Malik & A. Ghafoor in Fl. Pakistan*, 188: 25 (1988)—Pakistan.  
*var. nazimii K.A. Malik & A. Ghafoor in Fl. Pakistan*, 188: 25 (1988)—Pakistan.  
*var. qaiseri K.A. Malik & A. Ghafoor in Fl. Pakistan*, 188: 26 (1988)—Pakistan.  
cabreriae *C. Ezcurra in Darwiniana*, 29(1-4): 397 (1989)—Argentina.  
cleistogama *J.R.I. Wood in Kew Bull.*, 43(1): 9 (1988)—Colombia.

**DICLIPTERA**:-

- falcata (*Lam.*) *J. Bosser & H. Heine in Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(2): 146 (1988): *Justicia falcata*.  
felix *J.R.I. Wood in Kew Bull.*, 43(1): 5 (1988)—Colombia.  
fionae *K. Balkwill in S. Afr. J. Bot.*, 54(1): 55 (1988)—South Africa (Transvaal).  
fruticosa *K. Balkwill in Flow. Pl. Afr.*, 49(1-2): t. 1933 (1986)—South Africa (Transvaal).  
miscella *R.M. Barker in J. Adelaide Bot. Gard.*, 9: 187 (1986)—Australia (W. Australia).  
nasikensis *P. Lakshminarasimhan & B.D. Sharma in J. Econ. Taxon. Bot.*, 7(2): 481 (1985 publ. 1986)—India.  
rauhii *D.C. Wasshausen in Beitr. Biol. Pfl.*, 63(3): 425 (1988)—Peru.  
saxicola *J.R.I. Wood in Kew Bull.*, 43(1): 11 (1988)—Colombia.

**DICRANOPYGIUM** (Cyclanthac.).

- umbrophila *B.E. Hammel in Phytologia*, 60(1): 9 (1986)—Costa Rica.

**DICTYONEURA** (Sapindac.).

- acuminata  
*subsp. microcarpa J. van Dijk in Blumea*, 31(2): 445 (1986)—New Guinea (W. Irian).

**DICTYOPHLEBA** (Apocynac.).

- setosa *B. de Hoogh in Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 220 (1989)—Cameroun.

**DICTYOPHYLLARIA** L.A. Garay in *Bot. Mus.*

- Leaf. Harvard Univ.*, 30(4): 231 (1986).  
ORCHIDACEAE.  
dietschiana (*Edvall*) *L.A. Garay in Bot. Mus. Leaf. Harvard Univ.*, 30(4): 231 (1986): *Vanilla dietschiana*.

**DIDISCUS** (Umbellif.).

- cussoni (*Montr.*) *A. Guillaumin & G. Beauvisage in Ann. Soc. Bot. Lyon*, 38: 94 (1913 publ. 1914); *et Sp. Montrouz.*: 20 (1914) (reprint): *Hydrocotyle cussoni*.†

**DIDISSANDRA** (Gesneriac.).

- porphyrantha *A. Weber & R. Kiew in Gard. Bull. Singapore*, 41(1): 1 (1988)—Malaya.

**DIDYMOCARPUS** (Gesneriac.).

- sect. Codonoboea (Ridley) R. Kiew in Blumea*, 35(1): 171 (1990): *gen. Codonoboea*.  
adenocalyx *W.T. Wang in Guihaia*, 6(1-2): 11 (1986)—China.  
breviflorus (*Ridl.*) *A. Weber & R. Kiew in Gard. Bull. Singapore*, 41(1): 7 (1988): *Didissandra breviflora*.  
caelestis (*Ridley*) *R. Kiew in Blumea*, 35(1): 175 (1990): *Codonoboea caelestis*.  
codonion *R. Kiew in Gard. Bull. Singapore*, 42(1-2): 49 (1989 publ. 1990)—Malaya.  
corneri *R. Kiew in Blumea*, 35(1): 172 (1990)—Malaya.  
davisonii *R. Kiew in Malayan Nat. J.*, 43(4): 242 (1990)—Malaya.  
geitleri *A. Weber in Pl. Syst. Evol.*, 165(1-2): 95 (1989)—Malaya.  
leucocodon (*Ridley*) *R. Kiew in Gard. Bull. Singapore*, 42(1-2): 53 (1989 publ. 1990); *et in Blumea*, 35(1): 175 (1990): *Paraboea leucocodon*.  
lithophilus *R. Kiew in Gard. Bull. Singapore*, 42(1-2): 54 (1989 publ. 1990), *nom. nov.*: *D. kompsoboea Ridley*.  
nitidus *R. Kiew & A. Weber in Gard. Bull. Singapore*, 41(1): 4 (1988)—Malaya.  
niveus (*Kiew*) *R. Kiew in Blumea*, 35(1): 174 (1990): *Codonoboea nivea*.  
polyanthoides *R. Kiew in Gard. Bull. Singapore*, 42(1-2): 56 (1989 publ. 1990)—Malaya.  
yongii *R. Kiew in Gard. Bull. Singapore*, 42(1-2): 62 (1989 publ. 1990)—Malaya.

**DIDYMODOXA** (Urticac.).

- caffra (*Thunb.*) *I. Friis & M. Wilmot-Dear in Bol. Soc. Brot.*, 58: 210 (1985): *Urtica caffra*.

**DIDYMODOXA**:-

- capensis (*L.f.*) *I. Friis & C.M. Wilmot-Dear in Nordic J. Bot.*, 7(2): 126 (1987): *Urtica capensis*.  
*var. integrifolia (Wedd.) I. Friis & C.M. Wilmot-Dear in Nordic J. Bot.*, 7(2): 126 (1987): *Australina integrifolia*.

**DIDYMOPLEXIS** (Orchidac.).

- pachystomoides (*F. Muell.*) *L.A. Garay & W. Kittredge in Bot. Mus. Leaf. Harvard Univ.*, 30(3): (48) 182 (1985 publ. 1986): *Pogonia pachystomoides*.

**DIEFFENBACHIA** (Arac.).

- duidae (*Steyerj.*) *G.S. Bunting in Phytologia*, 65(5): 390 (1988): *Spathicarpa duidae*.  
liesneri *T.B. Croat in Aroideana*, 9(1-4): 62 (1986)—Venezuela.  
longipistila *T.B. Croat in Aroideana*, 9(1-4): 65 (1986)—Venezuela.

**DIELITZIA** P.S. Short in *Muelleria*, 7(1): 103 (1989).**COMPOSITAE.**

- tysonii *P.S. Short in Muelleria*, 7(1): 105 (1989)—Australia (W. Australia).

**DIERAMA** (Iridac.).

- adelpicum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 78 (1988)—South Africa (Transvaal).  
ambiguum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 79 (1988)—South Africa (Natal, Cape Province).  
cupuliflorum  
*subsp. caudatum W. Marais in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 105 (1988)—Tanzania.  
densiflorum *W. Marais in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 105 (1988)—Tanzania.  
dissimile *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 79 (1988)—South Africa (Natal, Cape Province).  
dracomontanum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 79 (1988)—South Africa (Natal, Orange Free State).  
erectum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 80 (1988)—South Africa (Natal).  
floriferum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 80 (1988)—South Africa (Natal, Transvaal).  
formosum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 80 (1988)—Zimbabwe, Malawi, Mozambique, South Africa (Transvaal).  
inyangense *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 81 (1988)—Zimbabwe, Mozambique.  
jucundum *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 81 (1988)—South Africa (Cape Province), Lesotho.  
longistylum *W. Marais in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 105 (1988)—Tanzania.  
mobile *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 81 (1988)—South Africa (Transvaal), Swaziland.  
mossii (*N.E. Br.*) *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 82 (1988): *D. medium var. mossii*.  
nebrownii *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 82 (1988)—South Africa (Transvaal).  
parviflorum *W. Marais in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 105 (1988)—Tanzania.  
tyrium *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 82 (1988)—South Africa (Natal, Transvaal).

**DIETERLEA** E.J. Lott in *Brittonia*, 38(4): 407 (1986).**CUCURBITACEAE.**

- fusiformis *E.J. Lott in Brittonia*, 38(4): 407 (1986)—Mexico.

**DIFLUGOSSA** (Acanthac.).

- muliensis *H.P. Tsui in Acta Bot. Yunnanica*, 12(3): 275 (1990)—China.

**DIGITACALIA** (Compos.).

- crypta *B.L. Turner in Phytologia*, 69(3): 152 (1990)—Mexico.

**DIGITACALIA** :-

- hintoniorum *B.L. Turner in Phytologia*, 69(3): 155 (1990)—Mexico.  
 jatrophoides  
 var. pentaloba *B.L. Turner in Phytologia*, 69(3): 158 (1990)—Mexico.

**DIGITALIS** (Scrophulariac.).

- ×campbelliana *W. Baxt. in Loud., Hort. Brit., add. supp. 2*: 630 (1839); cf. *D.J. Mabberley in Taxon*, 31(1): 70 (1982)—Locality not stated.  
 dubia  
 var. palau (Garcias & Marcos) J.J. Pericás & J.A. Rosselló in *Candollea*, 42(1): 395 (1987); *D. dubia* subsp. palau.  
 ferruginea  
 f. membranaceoviolacea *A. Sigunov in Fl. SR Srbije*, 10: 351 (1986), as 'membranaceo-violacea'—Jugoslavia.  
 mariana  
 subsp. heywoodii (Pinto da Silva & Silva) P.A. Hinz in *Candollea*, 44(1): 168 (1989); *D. purpurea* subsp. heywoodii.  
 micrantha *Roth ex Schweigg., Enum. Pl. Hort. Bot. Regiom.*: 31 (1812); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.  
 minor  
 var. palau (Garcias & Marcos) P.-A. Hinz & Rosselló in *Candollea*, 42(2): 714 (1987); *D. dubia* subsp. palau.  
 purpurea  
 subsp. amandiana (Samp.) P.A. Hinz in *Candollea*, 45(1): 168 (1990); *D. amandiana*.  
 subsp. bocquetii *B. Valdés in Lagasalia*, 14(1): 96 (1986)—Spain.  
 subsp. carpetana (Rivas Mateos) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 108 (1986); *D. purpurea* var. carpetana.  
 subsp. nevadensis (Künze) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 108 (1986); *D. nevadensis*.  
 subsp. toletana (Font Quer) P.A. Hinz in *Candollea*, 45(1): 172 (1990); *D. purpurea* var. toletana.

**DIGITARIA** (Gramin.).

- brunoana *F.M. Raimondo in Giorn. Bot. Ital.*, 122(5-6): 252 (1988 publ. 1989)—Somali Republic.  
 ciliata *Lag., Elenchus*: 6 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 70 (1982)—Locality not stated.  
 var. arenicola (Swallen) R.D. Webster in *Syst. Bot.*, 13(4): 594 (1988); *Leptoloma arenicola*.  
 subsp. pubiflora (Vasey ex L.H. Dewey) J.K. Wipff in *Sida*, 13(1): 120 (1988); *Panicum autumnale* var. pubiflorum.  
 dusenii *Chase ex S.A. Renvoize in Kew Bull.*, 42(4): 923 (1987)—Brazil.  
 hengduanensis *L. Liou in Bot. Res., Inst. Bot. (Beijing)*, 1989(4): 37 (1989)—China.  
 neghellensis *J.P. Lebrun in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(3): 271 (1988 publ. 1989)—Ethiopia.  
 paniculata *Soderstrom ex R. McVaugh, Fl. Novo-Galiciana*, 14: 143 (1983)—Mexico.  
 paspaliformis *J. Woods, Tourist's Fl.*: 396 (1850)—France.  
 ×umfolozi *D.W. Hall in Turrialba*, 33(3): 327 (1983)—Cultivation ex U.S.A. (Florida). (*D. setivalva* × *valida*).

**DILOCHOPSIS** (Hook.f.) F.G. Brieger in Schlechter Orchideen, 1(11-12): 662 (1981), as 'Dilochopsis', in I.K. Supp. 18 as 'Dolichopsis': *Eria* sect. *Dilochopsis* (Orchidac.).†**DILODENDRON** (Sapindac.).

- costaricense (Radlk.) A.H. Gentry & J. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 536 (1987); *Dipterodendron costaricense*.  
 elegans (Radlk.) A.H. Gentry & J. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 537 (1987); *D. bipinnatum* var. elegans.

**DILOMILIS** (Orchidac.).

- filicina *D.D. Dod in Moscosoa*, 5: 228 (1989)—Hispaniola (Haiti).

**DILOPHIA** (Crucif.).

- fontana  
 var. trichocarpum *W.T. Wang in Acta Bot. Yunnanica*, 9(1): 3 (1987)—Xizang, China, Xinjiang.

**DIMERANDRA** (Orchidac.).

- buenaventurae (Krzl.) E.S. Siegerist in *Bot. Mus. Leaflet Harvard Univ.*, 30(4): 205 (1986); *Telipogon buenaventurae*.  
 carnosiflora E.S. Siegerist in *Bot. Mus. Leaflet Harvard Univ.*, 30(4): 206 (1986)—Peru, Brazil.  
 elegans (Focke) E.S. Siegerist in *Bot. Mus. Leaflet Harvard Univ.*, 30(4): 207 (1986); *Isochilus elegans*.  
 latipetala E.S. Siegerist in *Bot. Mus. Leaflet Harvard Univ.*, 30(4): 211 (1986)—Nicaragua, Guatemala, Costa Rica, Panama, Colombia.  
 tarapotana C.H. Dodson & D.E. Bennett in *Is. Pl. Trop.*, Ser. 2, 1: t. 49 (1989)—Peru.  
 tenuicaulis (Rchb. f.) E.S. Siegerist in *Bot. Mus. Leaflet Harvard Univ.*, 30(4): 213 (1986); *Epidendrum stenopetalum* var. tenuicaule.

**DIMERIA** (Gramin.).

- balakrishnaniana K. Ravikumar, P.V. Sreekumar & V. Lakshmanan in *Kew Bull.*, 45(3): 573 (1990)—India.  
 jainii P.V. Sreekumar, V.J. Nair & N.C. Nair in *Curr. Sci.*, 52(6): 259 (1983)—India.

**DIMETOPHA** (Umbellif.).

- preissiana *Bunge, Del. Sem. Hort. Bot. Dorpat.*, 1846: 3 (1846); *Ann. Sci. Nat. III*, 7: 190 (1847); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.

**DIMORPHANDRA** (Legumin.).

- cuprea  
 subsp. ferruginea (Ducke) M.F. da Silva in *Fl. Neotrop.*, 44: 94 (1986); *D. ferruginea*.  
 subsp. velutina (Ducke) M.F. da Silva in *Fl. Neotrop.*, 44: 97 (1986); *D. velutina*.  
 macrostachya  
 subsp. congestiflora (Sprague & Sandwith) M.F. da Silva in *Fl. Neotrop.*, 44: 109 (1986); *D. congestiflora*.  
 subsp. glabrifolia (Ducke) M.F. da Silva in *Fl. Neotrop.*, 44: 106 (1986); *D. glabrifolia*.

**DIMORPHANTHERA** (Ericac.).

- seramica G.C.G. Argent & M. Warwick in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 33 (1989)—Moluccas.

**DIMORPHANTHUS** (Araliac.).

- japonicus (Thunb.) Endl., *Cat. Horti Vindob.*, 2: 176 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984); *Basionym* not stated.

**DIMORPHORCHIS** (Orchidac.).

- rossii J.A. Fowlie in *Orchid Dig.*, 53(1): 14 (1989)—Borneo (Sabah).

**DINEBRA** (Gramin.).

- dura (L.) Lag., *Elenchus*: 6 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 70 (1982); *Basionym* not stated.

**DINOCHLOA** (Gramin.).

- darvelana S. Dransfield in *Kew Bull.*, 44(3): 435 (1989)—Borneo (Sabah, Kalimantan).

**DIOCLEA** (Legumin.).

- holtiana R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 584 (1990)—Venezuela.  
 ruddiae R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 75(2): 730 (1988)—Venezuela.  
 scabra (Rich.) R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 578 (1990); *Dolichos scaber*.  
 var. brownii R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 579 (1990)—Venezuela.  
 var. schulzii R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 581 (1990)—Guyana.  
 steyermarkii R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 585 (1990)—Venezuela.  
 virgata  
 var. crenata R.H. Maxwell in *Ann. Missouri Bot. Gard.*, 77(3): 585 (1990)—Venezuela.

**DIONYSIA** (Primulac.).

- subsect. *Afghanicae* C. Grey-Wilson, *Genus Dionysia*: 168 (1989).  
 caespitosa  
 subsp. bolivarii (Pau) C. Grey-Wilson, *Genus Dionysia*: 99 (1989); *D. bolivarii*.  
 sarvestanica Z. Jamzad & C. Grey-Wilson in *Kew Bull.*, 44(1): 124 (1989)—Iran.

**DIORA** P. Ravenna in *Op. Bot.*, 92: 189 (1987). **ANTHERICACEAE.**

- cajamarcaensis (Poelln.) P. Ravenna in *Op. Bot.*, 92: 191 (1987); *Anthericum cajamarcaense*.

**DIOSCOREA** (Dioscoreac.).

- abysmophila B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 105 (1989)—Venezuela.  
 basiclavicaulis C.T. Rizzini & A. de Mattos-Filho in *Rev. Brasil. Biol.*, 46(2): 317 (1986)—Brazil.  
 berenicea R. McVaugh, *Fl. Novo-Galiciana*, 15: 362 (1989)—Mexico.  
 chamela R. McVaugh, *Fl. Novo-Galiciana*, 15: 364 (1989)—Mexico.  
 esculenta  
 var. tiliaefolia (Kunth) F.R. Fosberg & M.H. Sacht in *Micronesica*, 20(1-2): 135 (1987); *D. tiliaefolia*.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 889 (1784)—Japan.†  
 koyamae A.H. Magdon Jayasuriya in *Brittonia*, 42(2): 142 (1990)—Sri Lanka.  
 macvaughii B.G. Schubert in R. McVaugh, *Fl. Novo-Galiciana*, 15: 369 (1989), as 'mcvaughii'—Mexico.  
 matudae O. Téllez V. & B.G. Schubert in *Ann. Missouri Bot. Gard.*, 74(3): 539 (1987)—Mexico.  
 menglaensis H. Li in *Fl. Yunnanica*, 3: 744 (1983)—China.  
 nanlaensis H. Li in *Fl. Yunnanica*, 3: 739 (1983)—China.  
 neblinensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 108 (1989)—Venezuela.  
 oreodoxa B.G. Schubert in R. McVaugh, *Fl. Novo-Galiciana*, 15: 378 (1989)—Mexico.  
 quinquelobata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 889 (1784)—Japan.†  
 septemloba C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 889 (1784)—Japan.†  
 sessiliflora R. McVaugh, *Fl. Novo-Galiciana*, 15: 384 (1989)—Mexico.  
 spiculiflora  
 var. fasciculocongesta V. Sosa & B.G. Schubert in *Biotica*, 11(3): 187 (1986)—Mexico.  
 spongiosa J.Q. Xi, M. Mizuno & W.L. Zhao in *Acta Phytotax. Sin.*, 25(1): 52 (1987)—China.

**DIOSMA** (Rutac.).

- acuminata (Wendl.) C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 93 (1811); cf. *D.J. Mabberley in Taxon*, 33(3): 440 (1984); *Basionym* not stated.  
 aristata J. Williams in *J. S. Afr. Bot.*, 41(3): 180 (1975), in Supp. 16 as 'aristata' in error—South Africa (Cape Province).†  
 huegeliana Vis., *Ort. Bot. Padova*: 76, 139 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.  
 umbellata (Wendl.) Hort. Cels. ex C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 94 (1811); cf. *D.J. Mabberley in Taxon*, 33(3): 440 (1984); *Basionym* not stated.

**DIOSPYROS** (Ebenac.).

- abyssinica  
 subsp. attenuata F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 381 (1988)—Zimbabwe, Malawi.  
 subsp. reticulata F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 383 (1988)—Tanzania.  
 armata  
 var. pilosa Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 394, 57 (1983)—China.  
 var. sinensis (Hemsl.) Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 57 (1983); *D. sinensis*.  
 capricornuta F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 405 (1988)—Tanzania.  
 crassinervis  
 subsp. urbaniana (Leonard) Alain H. Liogier in *Phytologia*, 63(1): 65 (1987); *Maba urbaniana*.

**DIOSPYROS** :-

- ferrea*  
*var. compacta* (R. Br.) F.R. Fosberg in *Brittonia*, 40(1): 61 (1988): Maba *compacta*.  
*greenwayi* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 392 (1988)—Kenya, Tanzania.  
*kabuyana* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 401 (1988)—Tanzania, Kenya.  
*kaki* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 918 (1784)—Japan.†  
*kanurii* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 364 (1988)—Kenya.  
*lotus*  
*f. longifolia* Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 395, 60 (1983)—China.  
*magogoana* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 398 (1988)—Tanzania.  
*occulta* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 399 (1988)—Tanzania.  
*sandwicensis*  
*var. arachnoidea* H. St. John in *Phytologia*, 59(6): 391 (1986)—Hawaiian Is.  
*var. degeneri* (Fosb.) H. St. John in *Phytologia*, 59(6): 392 (1986): D. *ferrea* var. *degeneri*.  
*var. elliptica* H. St. John in *Phytologia*, 59(6): 392 (1986)—Hawaiian Is.  
*var. frameata* H. St. John in *Phytologia*, 59(6): 392 (1986)—Hawaiian Is.  
*var. kauaiensis* (Fosb.) H. St. John in *Phytologia*, 59(6): 393 (1986): D. *ferrea* var. *kauaiensis*.  
*var. kokeensis* H. St. John in *Phytologia*, 59(6): 393 (1986)—Hawaiian Is.  
*var. lanaiensis* (Fosb.) H. St. John in *Phytologia*, 59(6): 393 (1986): D. *ferrea* f. *lanaiensis*.  
*var. miloliensis* H. St. John in *Phytologia*, 59(6): 394 (1986)—Hawaiian Is.  
*var. oahuensis* H. St. John in *Phytologia*, 59(6): 394 (1986)—Hawaiian Is.  
*var. obtusa* (Fosb.) H. St. John in *Phytologia*, 59(6): 394 (1986): D. *ferrea* f. *obtusa*.  
*var. ovalis* H. St. John in *Phytologia*, 59(6): 395 (1986)—Hawaiian Is.  
*var. perpubescens* H. St. John in *Phytologia*, 59(6): 395 (1986)—Hawaiian Is.  
*var. puberula* H. St. John in *Phytologia*, 59(6): 399 (1986)—Hawaiian Is.  
*var. pubescens* (Skottsb.) H. St. John in *Phytologia*, 59(6): 395 (1986): Maba *sandwicensis* var. *pubescens*.  
*var. rotundata* H. St. John in *Phytologia*, 59(6): 396 (1986)—Hawaiian Is.  
*var. rugosa* H. St. John in *Phytologia*, 59(6): 397 (1986)—Hawaiian Is.  
*var. sclerophylla* (Fosb.) H. St. John in *Phytologia*, 59(6): 397 (1986): D. *ferrea* f. *sclerophylla*.  
*var. toppingii* (Fosb.) H. St. John in *Phytologia*, 59(6): 397 (1986): D. *ferrea* var. *toppingii*.  
*var. wailauensis* (Fosb.) H. St. John in *Phytologia*, 59(6): 398 (1986): D. *ferrea* f. *wailauensis*.  
*var. wiebkei* (Fosb.) H. St. John in *Phytologia*, 59(6): 398 (1986): D. *ferrea* f. *wiebkei*.  
*shimbaensis* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 385 (1988)—Kenya.  
*wajirensis* F. White in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 359 (1988)—Kenya, Somali Republic.  
*xolocotzii* X. Madrigal-Sanchez & J. Rzedowski in *Acta Bot. Mex.*, 1: 3 (1988)—Mexico.  
*xylopiacifolia* A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 119 (1967), without type—New Caledonia.

**DIPHYLAX** (Orchidac.).

- uniformis* (Tang & Wang) Tang, Wang & K.Y. Lang in *Bot. Res., Inst. Bot. (Beijing)*, 1989(4): 11 (1989): *Platanthera uniformis*.

**DIPHYSA** (Legumin.).

- americana* (Miller) M. Sousa S. in *Ann. Missouri Bot. Gard.*, 77(3): 576 (1990): *Colutea americana*.

**DIPLOCLISIA** (Menisperm.).

- glaucescens*  
*var. kunstleri* (King) A. Pramanik & K. Thothathri in *Kew Bull.*, 42(3): 705 (1987): *Cocculus kunstleri*.

**DIPLOCYCLOS** (Cucurbitac.).

- palmatus*  
*subsp. affinis* (Endl.) P.S. Green in *Kew Bull.*, 45(2): 238 (1990): *Bryonia affinis*.

**DIPLOGLOTTIS** (Sapindac.).

- berniana* S.T. Reynolds in *Austrobaileya*, 2(4): 328 (1987)—Australia (Queensland).  
*obovata* S.T. Reynolds in *Austrobaileya*, 2(4): 330 (1987)—Australia (Queensland).

**DIPLOKNEMA** (Sapotac.).

- yunnanensis* D.D. Tao, Z.H. Yang & O.T. Zhang in *Acta Bot. Yunnanica*, 10(2): 257 (1988)—China.

**DIPLOLABELLUM** (Orchidac.).

- confluens* (Hand.-Mast.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaf. Harvard Univ.*, 30(3): (48) 182 (1985 publ. 1986): *Oreorchis patens* var. *confluens*.

**DIPLOMERIS** (Orchidac.).

- josephii* A. Nageswara Rao & M.S. Swaminathan in *Indian Orchid J.*, 2(1): 5 (1987)—India.

**DIPLOSPORA** (Rubi.).

- parkinsonii* M. Gangopadhyay & T. Chakrabarty in *J. Econ. Taxon. Bot.*, 12(2): 497 (1988 publ. 1989), nom. nov.: *Pubistylis andamanensis* Thoth.

**DIPLOSTEPHIUM** (Compos.).

- amygdalinum* Sweet, *Hort. Brit.*, ed. 2: 295 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981)—Locality not stated.  
*humile* (Willd.) Sweet, *Hort. Brit.*, ed. 2: 295 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Basionym not stated.  
*linifolium* (L.) Sweet, *Hort. Brit.*, ed. 2: 295 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Aster *linifolius*.  
*rigidum* (Pursh) Sweet, *Hort. Brit.*, ed. 2: 295 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 15 (1981): Basionym not stated.

**DIPLOTAENIA** (Umbellif.).

- damaevandica* Mozaffarian, I.C. Hedge & J.M. Lamond in *Fl. Iran.*, 162: 373 (1987)—Iran.

**DIPLOTAXIS** (Crucif.).

- decumbens* (Chev.) Ø.H. Rustan & L. Borgen in *Bocagiana*, 47: 4 (1979): *Sinapidendron decumbens*.  
*harra*  
*subsp. intricata* (Willk.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 57 (1990): *Pendulina intricata*.  
*subsp. lagascana* (DC.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 57 (1990): D. *lagascana*.  
*hirta* (Chev.) Ø.H. Rustan & L. Borgen in *Bocagiana*, 47: 4 (1979): *Sinapidendron hirtum*.

**DIPLOTROPIS** (Legumin.).

- sect. Racemosae* H.C. de Lima in *Acta Amazonica*, 15(1-2): 63 (1985 publ. 1986).

**DIPLUSODON** (Lythrac.).

- adpressipilus* A. Lourteig in *Bradea*, 5(19): 236 (1989)—Brazil.  
*appendiculosus* A. Lourteig in *Bradea*, 5(19): 219 (1989)—Brazil.  
*argenteus* A. Lourteig in *Bradea*, 5(19): 221 (1989)—Brazil.  
*cordifolius* A. Lourteig in *Bradea*, 5(19): 222 (1989)—Brazil.  
*ericoides* A. Lourteig in *Bradea*, 5(19): 213 (1989)—Brazil.  
*fastigiatus* A. Lourteig in *Bradea*, 5(19): 236 (1989)—Brazil.  
*hatschbachii* A. Lourteig in *Bradea*, 5(19): 226 (1989)—Brazil.  
*heringeri* A. Lourteig in *Bradea*, 5(19): 239 (1989)—Brazil.  
*irwinii* A. Lourteig in *Bradea*, 5(19): 231 (1989)—Brazil.  
*leucocalycinus* A. Lourteig in *Bradea*, 5(19): 232 (1989)—Brazil.  
*minasensis* A. Lourteig in *Bradea*, 5(19): 229 (1989)—Brazil.

**DIPLUSODON** :-

- paraisoensis* A. Lourteig in *Bradea*, 5(19): 240 (1989)—Brazil.  
*psammophilus* A. Lourteig in *Bradea*, 5(19): 212 (1989)—Brazil.  
*saxatilis* A. Lourteig in *Bradea*, 5(19): 218 (1989)—Brazil.  
*sigillatus* A. Lourteig in *Bradea*, 5(19): 237 (1989)—Brazil.  
*urceolatus* A. Lourteig in *Bradea*, 5(19): 233 (1989)—Brazil.  
*vidalii* A. Lourteig in *Bradea*, 5(19): 216 (1989)—Brazil.  
*xerampelinus* A. Lourteig in *Bradea*, 5(19): 230 (1989)—Brazil.

**DIPLYCOSIA** (Ericac.).

- hirtiflora* G.C.G. Argent in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 17 (1989)—Borneo (Sabah).  
*lotungensis* G.C.G. Argent in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 19 (1989)—Borneo (Sabah).

**DIPODIUM** (Orchidac.).

- pulchellum* D.L. Jones & M.A. Clements in *Proc. Roy. Soc. Queensl.*, 98: 128 (1987)—Australia (Queensland).  
*squamatum* (Forst. f.) Sm. in *Rees, Cyclop.*, 39(2): Dipodium n. 2 (1819); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983): Basionym not stated.  
*variegatum* M.A. Clements & D.L. Jones in *Proc. Roy. Soc. Queensl.*, 98: 128 (1987)—Australia (Queensland, New South Wales, Victoria).

**DIPSACUS** (Dipsac.).

- cyanocapitatus* C.Y. Cheng & T.M. Ai in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 10 (1990)—China.  
*daliensis* T.M. Ai in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 6 (1990)—China.  
*var. multifidus* H.B. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 8 (1990)—China.  
*enshiensis* C.Y. Cheng & T.M. Ai in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 85 (1988)—China.  
*lijingensis* T.M. Ai & H.B. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 9 (1990)—China.  
*lushanensis* C.Y. Cheng & T.M. Ai in *J. Wuhan Bot. Res.*, 7(1): 27 (1989)—China.

**DIPTERACANTHUS** (Acanthac.).

- australasicus*  
*subsp. corynothecus* (F. Muell. ex Benth.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 89 (1986): *Ruellia corynotheca*.  
*subsp. dalyensis* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 92 (1986)—Australia (N. Terr.).  
*subsp. glabratus* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 91 (1986)—Australia (S. Australia).  
*oblongatus* Nees, *Del. Sem. Hort. Bot. Vratislav.*, 1840; *Linnaea* 15, *Lit.*: 126 (?1841); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.  
*pedunculatus* Huber, *Suppl. Cat. 1870*: 3 (1870-71); *Wochenschrift*, 14: 159 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.  
*schaerianus* Nees, *Del. Sem. Hort. Bot. Vratislav.*, 1838; *Linnaea* 13, *Lit.*: 118 (?1840); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.  
*strictus* Nees, *Del. Sem. Hort. Bot. Vratislav.*, 1838; *Linnaea* 13, *Lit.*: 119 (?1840); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**DIPTEROCARPUS** (Dipterocarpace.).

- andamanicus* (King) P.K. Tewary & A.K. Sarkar in *Proc. Third Round Table Conf. on Dipterocarps* (ed. A.J.G.H. Kostermans): 542 (15 May 1987); et in *Indian J. Forest.*, 10(1): 63 (20 May 1987): D. *turbatus* var. *andamanica*.  
*scaber* F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 6: 300 (1832); cf. D.J. Mabberley in *Taxon*, 26(5-6): 527 (1977)—India.†

**DISA** (Orchidac.).

- cedarbergensis* H.P. Linder in *S. Afr. J. Bot.*, 54(5): 497 (1988)—South Africa (Cape Province).  
*lutea* H.P. Linder in *Bothalia*, 15(3-4): 553 (1985), nom. nov.: *Ophrys patens* L.f.

×**DISBEROCEREUS** E. Meier in Kakt. And. Sukk., 41(4): 80 (1990). CACTACEAE. (Disocactus × Weberocereus).

**DISCHIDIA** (Asclepiadac.).

torricellensis (Schltr.) P.I. Forster in Austrobaileya, 3(2): 288 (1990): Spathidolepis torricellensis.

**DISCIPHANIA** (Menispermac.).

dioscoreoides R.C. Barneby in Brittonia, 42(3): 178 (1990)—Peru, Ecuador.  
tricaudata R.C. Barneby in Brittonia, 42(3): 180 (1990)—Ecuador.

**DISCOCACTUS** (Cactac.).

buenekeri W.R. Abraham in Kakt. And. Sukk., 38(11): 284 (1987)—Brazil.  
prominentigibbus L. Diers & E. Esteves Pereira in Kakt. And. Sukk., 39(1): 18 (1988)—Brazil.  
pseudolatispinus L. Diers & E. Esteves Pereira in Kakt. And. Sukk., 38(10): 247 (1987)—Brazil.  
zehntneri  
f. albispinus (Buin. & Brederoo) Riha in Kaktusy, 19(2): 26 (1983); cf. Repert. Pl. Succ. (I.O.S.), 34: 6 (1985): D. albispinus.

**DISCOCALYX** (Myrsinac.).

albiflora H. Sleumer in Blumea, 33(1): 90 (1988)—New Guinea (Papua New Guinea).  
brassii H. Sleumer in Blumea, 33(1): 87 (1988)—New Guinea (Papua New Guinea).  
camptobotrys (K. Schum.) H. Sleumer in Blumea, 33(1): 89 (1988): Maesa camptobotrys.  
latepetiolata (Mez) H. Sleumer in Blumea, 33(1): 85 (1988): Loheria latepetiolata.  
sarcophylla H. Sleumer in Blumea, 33(1): 90 (1988)—Louisiane Archipelago.  
subsnuata H. Sleumer in Blumea, 33(1): 87 (1988)—New Guinea (Papua New Guinea).

**DISCOCRANIA** (Cornac.).

disciflora (Moc. & Sessé ex DC.) V.I. Trifonova & I.G. Zubkova in Bot. Zhurn., 75(6): 823 (1990): Cornus disciflora.

**DISEPALUM** (Annonac.).

aciculare D.M. Johnson in Brittonia, 41(4): 372 (1989)—Borneo (Sarawak).  
petelotii (Merr.) D.M. Johnson in Brittonia, 41(4): 364 (1989): Polyalthia petelotii.  
plagioneurum (Diels) D.M. Johnson in Brittonia, 41(4): 366 (1989): Polyalthia plagioneura.

**DISOCACTUS** (Cactac.).

kinnachii G.D. Rowley in Brit. Cact. Succ. J., 5(3): 84 (1987), nom. nov.: Nopalxochia horichii Kimn.  
macranthus  
var. glaucocladus E. Ewald in Epiphytes, 13(52): 107 (1989)—Mexico.  
ramulosus  
var. angustissimus (Web.) Kimmach in Cact. Succ. J. (U.S.A.), 59(2): 67 (1987): Rhipsalis angustissimus.

×**DISOPHYLLUM** C.F. Innes in Epiphytes, 1(3): 43 (1968). CACTACEAE. (Disocactus × Epiphyllum).

×**DISOSELENICEREUS** E. Meier in Kakt. And. Sukk., 41(4): 80 (1990). CACTACEAE. (Disocactus × Selenicereus).

**DISPERIS** (Orchidac.).

bolusiana  
subsp. macrocorys (Rolfe) J.C. Manning in S. Afr. J. Bot., 56(4): 494 (1990): D. macrocorys.  
circumflexa  
subsp. aemula (Schltr.) J.C. Manning in S. Afr. J. Bot., 56(4): 495 (1990): D. circumflexa var. aemula.  
elaphoceras B. Verdcourt in Kew Bull., 41(1): 54 (1986)—Tanzania.  
purpurata  
subsp. pallescens P. Bruyns in S. Afr. J. Bot., 55(5): 494 (1989)—South Africa (Cape Province).  
uzungwae B. Verdcourt in Kew Bull., 41(1): 56 (1986)—Tanzania.

**DISPHYMA** (Aizoac.).

crassifolium  
subsp. clavellatum (Haw.) R.J. Chinnock in Fl. S. Australia, 1: 194 (1986): Mesembryanthemum clavellatum.

**DISPOROPSIS** (Convallariac.).

jinfushanensis Z.Y. Liu in Acta Phytotax. Sin., 25(1): 67 (1987)—China.  
taiwanensis S.S. Ying in J. Jap. Bot., 64(5): 153 (1989)—Taiwan.

**DISPORUM** (Convallariac.).

sect. Ovalia H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 203 (1988).  
sect. Paradisporum H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 205 (1988).  
austrosinense H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 192 (1988)—China.

cantonense

f. brunneum (C.H. Wright) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 186 (1988): D. pullum var. brunnea.  
var. kawakamii (Hayata) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 187 (1988): D. kawakamii.  
var. multiflorum (Blume) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 188 (1988): Drapiezia multiflora.  
f. parviflorum (Wall.) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 186 (1988): Uvularia parviflora.  
×hishiyamanum K. Suzuki in J. Phytogeogr. Taxon., 36(1): 13 (1988)—Japan. (D. sessile × smilacinum).  
jiangchengense Y.Y. Qian in Guihaia, 10(3): 184 (1990)—China.

ovale

var. albiflorum Y. Lee & N. Lee ex N. Lee in J. Korean Pl. Taxon., 9: 79 (1979)—Korea.  
f. albiflorum (Y. Lee & N. Lee) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 205 (1988), basionym page given is article page not journal page which is 79: D. ovale var. albiflorum.  
var. tamnanum Y.N. Lee & N.S. Lee in Korean J. Pl. Taxon., 14(3): 168 (1984)—Korea.  
pedunculatum H. Li & J.L. Huang in Guihaia, 9(4): 294 (1989)—China.

sessile

f. intermedium H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 203 (1988)—Taiwan.  
f. macrophyllum (Koidzumi) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 201 (1988): D. sessile var. macrophyllum.  
f. minus (Miquel) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 201 (1988): D. sessile β. minus.  
var. shimadae (Hayata) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 202 (1988): D. shimadai.  
f. stenophyllum (Franch. & Sav.) Hayashi ex H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 201 (1988): D. sessile γ. stenophyllum.  
taiwanense S.S. Ying in J. Jap. Bot., 64(5): 151 (1989)—Taiwan.

**DISSOSPERMA** J. Soják in Čas. Nár. Muz. (Prague), 154(1): 55 (1985 publ. 1986). PAPAVERACEAE.  
claviculata (L.) J. Soják in Čas. Nár. Muz. (Prague), 154(1): 55 (1985 publ. 1986): Fumaria claviculata.  
subsp. picta (Sampaio) J. Soják in Čas. Nár. Muz. (Prague), 154(1): 55 (1985 publ. 1986): Corydalis claviculata var. picta.

**DISTEPHANUS** (Compos.).

angolensis (O. Hoffmann) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 498 (1986): Newtonia angolensis.

**DISTEPHANUS** :—

angulifolius (DC.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia angulifolia.  
anisochaetoides (Sond) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia anisochaetoides.  
antandroy (H. Humbert) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia antandroy.  
cloiseli (Moore) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia cloiseli.  
divaricatus (Steetz) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Gongrothamnus divaricatus.  
eriophyllus (Drake) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia eriophylla.  
forrestii (Anthony) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia forrestii.  
garnierianus (Klatt) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia garnieriana.  
glandulicinctus (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia glandulicincta.  
glutinosus (DC.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia glutinosa.  
lastellei (Drake) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia lastellei.  
mahafaly (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia mahafaly.  
majungensis (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia majungensis.  
malacophytus (Baker) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 499 (1986): Vernonia malacophyta.  
manambolensis (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia manambolensis.  
mangokensis (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia mangokensis.  
nummulariaefolius (Klatt) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Decaneurum (Gymnanthemum) nummulariaefolium.  
ochroleucus (Baker) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia ochroleuca.  
polygalaeifolius (Less.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia polygalaeifolia.  
rochonioides (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia rochonioides.  
streptocladus (Baker) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia streptoclada.  
subluteus (S. Elliot) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia sublutea.  
swinglei (H. Humb.) H. Robinson & B. Kahn in Proc. Biol. Soc. Wash., 99(3): 500 (1986): Vernonia swinglei.

**DISTERIGMA** (Ericac.).

balslevii J.L. Luteyn in Op. Bot., 92: 113 (1987)—Ecuador, Colombia.

**DISTICHIA** (Juncac.).

acicularis H. Balslev & S. Laegaard in Nordic J. Bot., 6(2): 151 (1986)—Ecuador.

**DISTYLIUM** (Hamamelidac.).

lipoense Y.K. Li & X.M. Wang in Acta Bot. Yunnanica, 8(3): 275 (1986)—China.

**DISYNAPHIA** (Compos.).

tacuairembensis (Hieron. & Arechav.) R.M. King & H. Robinson in Phytologia, 60(1): 80 (1986): Eupatorium tacuairembense.



**DITASSA** (Asclepiadac.).

- ayantepuiensis (Stey.) G. Morillo in *Ernstia*, 51: 7 (1989): *Cynanchum* ayantepuiense.  
 carnevalii (Morillo) G. Morillo in *Ernstia*, 51: 7 (1989): *Cynanchum* carnevalii.  
 ciliata (Moldenke) G. Morillo in *Ernstia*, 51: 7 (1989): *Blepharodon* ciliatum.  
 colellae (Morillo) G. Morillo in *Ernstia*, 51: 7 (1989): *Cynanchum* colellae.  
 conceptionis J. Fontella Pereira in *Dusenja*, 12(1): 6 (1980), nom. nov.: *Calathostelma* ditassoides Fournier.  
 cordata (Turcz.) J. Fontella Pereira in *Eugeniana*, 16: 24 (1989): *Metastelma* cordatum.  
 var. abortiva (Fourn.) J. Fontella Pereira in *Eugeniana*, 16: 26 (1989): *D.* abortiva.  
 var. virgata (Fourn.) J. Fontella Pereira in *Eugeniana*, 16: 25 (1989): *D.* virgata.  
 emmerichii J. Fontella Pereira in *Bradea*, 4(48): 383 (1987), nom. nov.: *Astephanus* gardneri Fournier.  
 foldatsii G. Morillo in *Ernstia*, 51: 7 (1989)—Venezuela.  
 julianii (Morillo) G. Morillo in *Ernstia*, 51: 9 (1989): *Cynanchum* julianii.  
 liesneri G. Morillo in *Ernstia*, 51: 9 (1989)—Venezuela.  
 lindemanni G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 351 (1989 publ. 1990)—Surinam.  
 lourteigiae J. Fontella Pereira in *Eugeniana*, 16: 23 (1989), as 'lourteigii'—Brazil.  
 multinervia (Morillo) G. Morillo in *Ernstia*, 51: 9 (1989): *Cynanchum* multinervium.  
 obovata (Holm) G. Morillo in *Ernstia*, 51: 9 (1989): *Cynanchum* obovatum.  
 oliva-estevae G. Morillo in *Ernstia*, 51: 9 (1989)—Venezuela.  
 peruviana G. Morillo in *Ernstia*, 51: 11 (1989)—Peru.  
 sipapoana G. Morillo in *Ernstia*, 51: 11 (1989)—Venezuela.  
 surinamensis G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 351 (1989 publ. 1990)—Surinam.  
 venamensis G. Morillo in *Ernstia*, 51: 12 (1989)—Venezuela.

**DITHYROSTEGIA** (Compos.).

- gracilis P.S. Short in *Muelleria*, 7(1): 106 (1989)—Australia (W. Australia).

**DIURANTHERA** (Anthericac.).

- chinglingensis J.Q. Xing & T.C. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(3): 203 (1987)—China.

**DIURIS** (Orchidac.).

- chrysantha D.L. Jones & M.A. Clements in *Proc. Roy. Soc. Queensl.*, 98: 130 (1987)—Australia (Queensland, New South Wales).  
 fragrantissima D. Jones & M.A. Clements in *Austral. Orchid Res.*, 1: 68 (1989), nom. nov.: *D.* punctata var. albo-violacea Rupp. ex Dockr.  
 parvipetala (Dockr.) D.L. Jones & M.A. Clements in *Proc. Roy. Soc. Queensl.*, 98: 132 (1987): *D.* punctata var. parvipetala.

**DJINGA** C. Cusset in *Fl. Cameroun*, 30: 58 (1987).**PODOSTEMACEAE.**

- felix C. Cusset in *Fl. Cameroun*, 30: 58 (1987)—Cameroun.

**DODECAHEMA** J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 86 (1989). **POLYGONACEAE.**

- leptoceras (A. Gray) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 87 (1989): *Centrostegia* leptoceras.

**DODECATHEON** (Primulac.).

- pulchellum  
 f. margaritaceum (Fassett) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *D.* amethystinum f. margaritaceum.  
 f. strictlerae (Fern.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *D.* meadia f. strictlerae.  
 var. zionense (Eastw.) S.L. Welsh in *Great Basin Nat.*, 46(2): 259 (1986): *D.* zionense.

**DODONAEA** (Sapindac.).

- biloba J.G. West in *Brunonia*, 10(2): 219 (1987)—Australia (Queensland).

**DOGA** (Legumin.).

- pancheri (Baill.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 77 (1989): *Storckella* pancheri.

**DOLICHORHYNCHUS** I.C. Hedge & Kit Tan in *Pl.*

- Syst. Evol.*, 156(3–4): 197 (1987). **CRUCIFERAE.**  
 arabicus I.C. Hedge & Kit Tan in *Pl. Syst. Evol.*, 156(3–4): 198 (1987)—Saudi Arabia.

**DOLICHORRHIZA** (Compos.).

- persica (Boiss.) B. Nordenstam in *Fl. Iran.*, 164: 52 (1989): *Senecio* persicus.

**DOLICHOS** (Legumin.).

- formosanus (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 478 (1987): *Dolichovigna* formosana.  
 var. rhombifolius (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 479 (1987): *Dolichovigna* rhombifolia.  
 incurvus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 658 (1784)—Japan.†  
 lineatus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 658 (1784)—Japan.†

**DOLOMIAEA** (Compos.).

- sect. *Vladimiria* (Iljin) C. Shih in *Acta Phytotax. Sin.*, 24(4): 293 (1986): gen. *Vladimiria*.  
 berardioidea (Franch.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 294 (1986): *Jurinea* edulis β. berardioidea.  
 denticulata (Ling) C. Shih in *Acta Phytotax. Sin.*, 24(4): 293 (1986): *Vladimiria* denticulata.  
 edulis (Franch.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 294 (1986): *Saussurea* edulis.  
 forrestii (Diels) C. Shih in *Acta Phytotax. Sin.*, 24(4): 293 (1986): *Jurinea* forrestii.  
 georgii (Anth.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 294 (1986): *Jurinea* georgii.  
 platylepis (Hand.-Mazz.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 295 (1986): *Jurinea* platylepis.  
 salwinensis (Hand.-Mazz.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 295 (1986): *Jurinea* salwinensis.  
 scabrida (Shih & S.Y. Jin) C. Shih in *Acta Phytotax. Sin.*, 24(4): 293 (1986): *Vladimiria* scabrida.  
 souliei (Franch.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 294 (1986): *Jurinea* souliei.  
 var. mirabilis (Anth.) C. Shih in *Acta Phytotax. Sin.*, 24(4): 294 (1986): *Jurinea* mirabilis.

**DOMBEYA** (Sterculiac.).

- longicuspis  
 var. bosseri L.C. Barnett & L.J. Dorr in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 366 (1986 publ. 1987)—Madagascar.  
 moratii L.C. Barnett & L.J. Dorr in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 365 (1986 publ. 1987)—Madagascar.

**DONAX** (Gramin.).

- collinus (Ten.) Tineo, *Cat. Pl. Panorm.*: 100 (1827); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.

**DOREMA** (Umbellif.).

- subsect. *Ammoniacum* M.G. Pimenov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(2): 84 (1988).  
 sect. *Microcarpa* M.G. Pimenov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(2): 85 (1988).  
 subsect. *Nodosa* M.G. Pimenov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(2): 83 (1988).  
 subsect. *Sabulosa* M.G. Pimenov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(2): 84 (1988).

**DORONICUM** (Compos.).

- kueperi R. Chacón Aumente in *An. Jard. Bot. Madrid*, 43(2): 269 (1986 publ. 1987)—Spain.

**DOROTHEANTHUS** (Aizoac.).

- bellidiformis  
 subsp. hestermalensis H.-D. Ihlenfeldt & M. Struck in *Beitr. Biol. Pfl.*, 61(3): 445 (1986 publ. 1987)—South Africa (Cape Province).

**DORSTENIA** (Morac.).

- bergiana M.E.E. Hijman in *Kew Bull.*, 45(2): 361 (1990)—Zaire.  
 carautae C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 136 (1986)—Brazil.

**DORSTENIA** :—

- cayapia  
 subsp. asaroides (Hooker) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 143 (1986): *D.* asaroides.  
 subsp. paraguayensis (Hassler) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 143 (1986): *D.* cayapia f. paraguayensis.  
 subsp. vitifolia (Gardner) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 143 (1986): *D.* vitifolia.  
 convexa  
 var. oblonga (Compère) M.E.E. Hijman in *Kew Bull.*, 45(2): 362 (1990): *D.* oblonga.  
 cuspidata  
 var. brinkmaniana M.E.E. Hijman in *Fl. Trop. E. Afr., Morac.*: 40 (1989)—Tanzani, Kenya, Zambia.  
 var. preussii (Engl.) M.E.E. Hijman in *Kew Bull.*, 45(2): 364 (1990): *D.* preussii.  
 dinklagei  
 var. bequaertii (De Wild.) M.E.E. Hijman in *Kew Bull.*, 45(2): 367 (1990): *D.* bequaertii.  
 var. binzaensis (De Wild.) M.E.E. Hijman in *Kew Bull.*, 45(2): 366 (1990): *D.* binzaensis.  
 hildebrandtii  
 var. schlechteri (Engl.) M.E.E. Hijman in *Fl. Trop. E. Afr., Morac.*: 34 (1989): *D.* schlechteri.  
 holstii  
 var. longestipulata M.E.E. Hijman in *Fl. Trop. E. Afr., Morac.*: 30 (1989)—Tanzania.  
 ramosa  
 subsp. dolichocaula (Pilger) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 143 (1986): *D.* dolichocaula.  
 tayloriana  
 var. laikipiensis (Rendle) M.E.E. Hijman in *Fl. Trop. E. Afr., Morac.*: 26 (1989): *D.* laikipiensis.  
 thikaensis M.E.E. Hijman in *Fl. Trop. E. Afr.*: 27 (1989)—Kenya.  
 uxpanapana C.C. Berg & T. Wendt in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 129 (1986)—Mexico.  
 zambesiaca M.E.E. Hijman in *Kew Bull.*, 45(2): 367 (1990)—Mozambique.
- DORVALIA** Hoffmanns., Preiss-Verz.: 21 (1833); cf. D.J. Mabberley in *Taxon*, 33(3): 434 (1984). **ONAGRACEAE.**
- DORYCNIUM** (Legumin.).
- strictum (Fischer & C. Meyer) P. Lassen in *Willdenowia*, 16(1): 109 (1986): *Lotus* strictus.
- DOWNINGIA** (Campanulac.).
- concolor  
 subsp. brevior (McVaugh) R.M. Beauchamp in *Phytologia*, 59(7): 438 (1986): *D.* concolor var. brevior.
- DRABA** (Crucif.).
- altaica  
 var. modesta (W.W. Smith) W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 5 (1987): *D.* modesta.  
 argentifolia I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 427 (1989), nom. nov.: *D.* argentea O.E. Schulz.  
 balangshanica W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 17 (1988)—China.  
 boyacana I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 427 (1989)—Colombia.  
 californica (Jepson) R.C. Rollins & R.A. Price in *Aliso*, 12(1): 19 (1988): *D.* cuneifolia var. californica.  
 cocuyana I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 429 (1989)—Colombia.  
 cocuyensis E. Santana C. & J.O. Rangel Ch. in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 351 (1989)—Colombia.  
 cuatrecasana J.O. Rangel Ch. & E. Santana C. in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 348 (1989)—Colombia.  
 daochengensis W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 7 (1987)—China.  
 densifolia  
 var. apiculata (C.L. Hitchc.) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): *D.* apiculata.  
 dolichotricha W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 5 (1987)—China.

**DRABA** :-

- ecuadoriana I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 431 (1989), nom. nov.: *D. affinis* J.D. Hooker.
- heterocoma  
subsp. archipelagi (O.E. Schulz) K.P. Buttler in A. Strid (ed.), *Mount. Fl. Greece*, 1: 315 (1986): *D. heterocoma* var. archipelagi.
- hispanica  
subsp. djurdjurae (Batt.) W. Greuter in *Willdenowia*, 15(2): 418 (1986): *D. hispanica* var. djurdjurae.  
subsp. lebrunii P. Montserrat in *Doc. Phytosoc.*, n.s., 1: 179 (1977)—Spain.
- involucrata  
var. lasiocarpa W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 6 (1987)—China.
- kassii S.L. Welsh in *Great Basin Nat.*, 46(2): 264 (1986)—U.S.A. (Utah).
- lasiocarpa  
subsp. dolichostyla (O.E. Schulz) K.P. Buttler in A. Strid (ed.), *Mount. Fl. Greece*, 1: 311 (1986): *D. parnassica* var. dolichostyla.
- lebrunii (P. Monts.) M. Lainz in *Fontqueria*, 16: 51 (1988): *D. hispanica* subsp. lebrunii.
- linearifolia L.L. Lou & T.Y. Cheo in *Fl. Xizangica*, 2: 346 (1985)—Xizang.
- ludingensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 18 (1988)—China.
- monoensis R.C. Rollins & R.A. Price in *Aliso*, 12(1): 22 (1988)—U.S.A. (California).
- moupinensis  
var. calcicola (O.E. Schulz) W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 4 (1987): *D. calcicola*.
- oligosperma  
var. juniperina (Dorn) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): *D. juniperina*.
- pseudocheiranthoides I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 431 (1989)—Colombia.
- qinghaiensis L.L. Lu in *Acta Phytotax. Sin.*, 25(4): 319 (1987)—China.
- ritacuvana I.A. Al-Shehbaz in *J. Arnold Arbor.*, 70(3): 435 (1989)—Colombia.
- rositae E. Santana C. & J.O. Rangel Ch. in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 348 (1989)—Colombia.
- sericea E. Santana C. & J.O. Rangel Ch. in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 353 (1989)—Colombia.
- staintonii Jafri ex H. Hara in *Enum. Fl. Pl. Nepal*, 2: 42 (1979)—Nepal.
- strasseri W. Greuter in *Willdenowia*, 15(2): 418 (1986)—Greece.
- subfladnizensis V.B. Kuvaev, *Vysotnoe Raspredelenie Rast. Gor. Putorana*: 93 (1980)—U.S.S.R. (Siberia).
- subumbellata R.C. Rollins & R.A. Price in *Aliso*, 12(1): 25 (1988)—U.S.A. (California).
- thlaspiiformis (Philippi) I.A. Al-Shehbaz in *J. Arnold Arbor.*, 71(3): 385 (1990): *Eudema thlaspiiforme*.
- zangbeiensis L.L. Lu in *Acta Phytotax. Sin.*, 25(4): 320 (1987)—Xizang.

**DRACAENA** (Dracaenac.).

- boscii Hort. Cels. ex Zeyher, *Verz. Saemm. Gewaech. Schwezingen*: 69 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.
- rubra (Kunth) Parmentier, *Cat. Pl. Rar.*: 11 (1853); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Cordylone rubra*.

**DRACOCEPHALUM** (Labiata.).

- subsect. Aristodracon A.L. Budantsev in *Bot. Zhurn.*, 72(2): 265 (1987).
- ser. Botryoidea A.L. Budantsev in *Bot. Zhurn.*, 72(2): 264 (1987).
- sect. Confertodracon A.L. Budantsev in *Bot. Zhurn.*, 72(2): 262 (1987).
- ser. Cryptodracon (Benth.) A.L. Budantsev in *Bot. Zhurn.*, 72(2): 265 (1987): *D. sect. Cryptodracon*.
- ser. Discoloria A.L. Budantsev in *Bot. Zhurn.*, 72(2): 264 (1987).
- ser. Fruticulosa Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 263 (1987).
- ser. Kafiristanica A.L. Budantsev in *Bot. Zhurn.*, 72(2): 264 (1987).
- ser. Komaroviana Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 266 (1987).

**DRACOCEPHALUM** :-

- ser. Multicaulia Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 265 (1987).
- ser. Nodulosa Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 263 (1987).
- ser. Nutantia Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 263 (1987).
- sect. Palmata A.L. Budantsev in *Bot. Zhurn.*, 72(2): 262 (1987).
- ser. Peregrina Schischk. ex A.L. Budantsev in *Bot. Zhurn.*, 72(2): 265 (1987).
- ser. Pinnata A.L. Budantsev in *Bot. Zhurn.*, 72(2): 264 (1987).
- ser. Renatiana A.L. Budantsev in *Bot. Zhurn.*, 72(2): 266 (1987).
- ser. Setigera A.L. Budantsev in *Bot. Zhurn.*, 72(2): 266 (1987).
- butkovii L.S. Krasovskaya in L.S. Krasovskaya & I.G. Levichev, *Fl. Chaitkal'skogo Zapovednika*: 170 (1986)—U.S.S.R. (Middle Asia).
- heterophyllum  
subsp. ovalifolium A.L. Budantsev in *Bot. Zhurn.*, 72(1): 93 (1987)—China, Mongolia, U.S.S.R. (Siberia).
- junatovii A.L. Budantsev in *Bot. Zhurn.*, 72(1): 92 (1987)—Mongolia.
- nuratavicum T.A. Adylov in *Opred. Rast. Sred. Azii*, 9: 361 (1987)—U.S.S.R. (Middle Asia).
- origanoides  
subsp. bungeanum (Schischk. & Serg.) A.L. Budantsev in *Bot. Zhurn.*, 72(1): 93 (1987): *D. bungeanum*.

**DRACONIA** (Compos.).

- albicerata (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia albicerata*.
- bargusinensis (Spreng.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia bargusinensis*.
- campestris (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia campestris*.  
subsp. alpina (DC.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia campestris* β var. alpina.  
subsp. borealis (Pall.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia borealis*.
- subsp. bottnica (Lundstr. ex Kindb.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia campestris* subsp. bottnica.
- subsp. glutinosa (DC.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia glutinosa*.
- subsp. maritima (Arcang.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia campestris* γ subsp. maritima.
- f. oligocephala (Abromeit) K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 70: 212 (1985): *Artemisia campestris* c. oligocephala.
- capillaris (Thunb.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia capillaris*.
- commutata (Bess.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia commutata*.
- daghestanica (Krasch. & Por.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia daghestanica*.
- demissa (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia demissa*.
- desertorum (Spreng.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia desertorum*.
- dimoana (M. Pop.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia dimoana*.
- dracunculiformis (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia dracunculiformis*.
- dracunculus (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia dracunculus*.
- glauca (Pall. ex Willd.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia glauca*.
- halodendron (Turcz. ex Besser) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia halodendron*.
- henriettae (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia henriettae*.
- japonica (Thunb.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia japonica*.
- kelleri (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia kelleri*.

**DRACONIA** :-

- kuschakewiczii (C. Winkl.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia kuschakewiczii*.
- ledebouriana (Bess.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia ledebouriana*.
- limosa (Koidz.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia limosa*.
- lipskyi (P. Polj.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia lipskyi*.
- littorica (Kitam.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia littorica*.
- macilenta (Maxim.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia campestris* var. macilenta.
- pamirica (C. Winkl.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia pamirica*.
- pannosa (Krasch.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia pannosa*.
- pyncnorhiza (Ledeb.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia pyncnorhiza*.
- quinqueloba (Trautv.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia quinqueloba*.
- salsoloides (Willd.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 20 (1983): *Artemisia salsoloides*.
- saposhnikovii (Krasch. ex Poljakov) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia saposhnikovii*.
- scoparia (Waldst. & Kit.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia scoparia*.
- songarica (Schrenk) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia songarica*.
- tomentella (Trautv.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia tomentella*.
- trautvetteriana (Bess.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia trautvetteriana*.
- tschernieviana (Bess.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Artemisia tschernieviana*.

**DRACONTIUM** (Arac.).

- aricuianum G.S. Bunting in *Phytologia*, 60(5): 301 (1986)—Venezuela.
- changuango G.S. Bunting in *Phytologia*, 60(5): 302 (1986)—Venezuela.
- lineare G.S. Bunting & S.S. Tillett in *Phytologia*, 64(6): 464 (1988)—Venezuela.
- regelianum (Engl.) J. Bogner in *Aroideana*, 8(3): 78 (1985 publ. 1986): *Echidnium regelianum*.

**DRACOSCIADIUM** O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 220 (1986). **UMBELLIFERAE**.

- italae O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 223 (1986)—South Africa (Natal).
- saniculifolium O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 225 (1986)—South Africa (Natal).

**DRACULA** (Orchidac.).

- subgen. Sodiroa (Luer) C.A. Luer in *Amer. Orchid Soc. Bull.*, 58(10): 1000 (1989): *D. sect. Sodiroa*.
- subgen. Xenosia C.A. Luer in *Amer. Orchid Soc. Bull.*, 58(10): 1001 (1989).
- aphrodes C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1002 (1989)—Colombia.
- brangeri C.A. Luer in *Orchideen*, 48(2): 47 (1986)—Colombia.
- carcinopsis C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1003 (1989)—Colombia.
- dalessandroi C.A. Luer in *Amer. Orchid Soc. Bull.*, 58(10): 1004 (1989)—Ecuador.
- exasperata C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1005 (1989)—Colombia.
- gastrophora C.A. Luer & Hirtz in *Amer. Orchid Soc. Bull.*, 58(10): 1005 (1989)—Ecuador.
- incognita C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1006 (1989)—Colombia.
- insolita C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1007 (1989)—Colombia.
- ligiae C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1008 (1989)—Colombia.
- marsupialis C.A. Luer & A.C. Hirtz in *Orchidee*, 37(1): 25 (1986)—Ecuador.

**DRACULA** :—

- nosferatu C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1009 (1989)—Colombia.  
 verticulosa C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1010 (1989)—Colombia.  
 xenos C.A. Luer & Escobar in *Amer. Orchid Soc. Bull.*, 58(10): 1011 (1989)—Colombia.

**DRACUNCULUS** (Compos.).

- sect. *Campestres* Krasch. ex V.P. Amel'chenko in I.M. Krasnoborov & T.A. Safonova (eds.), *Novoe Fl. Sibiri*: 241 (1986), without type.  
 sect. *Scopariae* Krasch. ex V.P. Amel'chenko in I.M. Krasnoborov & T.A. Safonova (eds.), *Novoe Fl. Sibiri*: 241 (1986), without type.

**DREPANOSTACHYUM** (Gramin.).

- jainiana (Das & Pal) R.B. Majumder in *Bull. Bot. Surv. India*, 25(1-4): 235 (1983 publ. 1985): *Chimonobambusa jainiana*.  
 ludianense (Yi & R.S. Wang) P.C. Keng in *J. Bamboo Res.*, 5(2): 35 (1986): *Ampelocalamus ludianensis*.  
 melicoideum P.C. Keng in *J. Bamboo Res.*, 5(2): 35 (1986)—China.  
 naibunensis (Hayata) P.C. Keng in *J. Bamboo Res.*, 5(2): 32 (1986): *Arundinaria naibunensis*.  
 suberecta (Munro) R.B. Majumder in *Bull. Bot. Surv. India*, 25(1-4): 236 (1983 publ. 1985): *Arundinaria suberecta*.

**DRESSLERELLA** (Orchidac.).

- subgen. *Pilositas* C.A. Luer, *lc. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 3 (1988).

**DRESSLEROTHAMNUS** (Compos.).

- gentryi H. Robinson in *Syst. Bot.*, 14(3): 384 (1989)—Colombia.  
 peperomioides H. Robinson in *Syst. Bot.*, 14(3): 386 (1989)—Panama.

**DRIMIA** (Hyacinthac.).

- brachystachys (Bak.) B. Stedje in *Nordic J. Bot.*, 7(6): 665 (1987): *Urginea brachystachys*.  
 calcarata (Bak.) B. Stedje in *Nordic J. Bot.*, 7(6): 663 (1987): *Ornithogalum calcaratum*.  
 glaucescens (Engl. & K. Krause) H. Scholz in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 444 (1989 publ. 1990): *Urginea glaucescens*.  
 macrocarpa B. Stedje in *Nordic J. Bot.*, 7(6): 664 (1987)—Tanzania, Kenya.  
 porphyrantha (Bullock) B. Stedje in *Nordic J. Bot.*, 7(6): 665 (1987): *Urginea porphyrantha*.

**DROGUETIA** (Urticac.).

- hildebrandtii I. Friis & C.M. Wilmot-Dear in *Nordic J. Bot.*, 7(2): 126 (1987)—Madagascar.  
 iners  
   subsp. *burchellii* (N.E. Br.) I. Friis & C.M. Wilmot-Dear in *Nordic J. Bot.*, 7(2): 126 (1987): D. *burchellii*.  
   subsp. *pedunculata* I. Friis in *Nordic J. Bot.*, 10(4): 432 (1990)—Ethiopia.  
   subsp. *urticoides* (Wight) I. Friis & C.M. Wilmot-Dear in *Nordic J. Bot.*, 7(2): 126 (1987): *Forsskaolea urticoides*.

**DROSERA** (Droserac.).

- admirabilis P. Debbert in *Mitt. Bot. Staatssamml. München*, 23: 431 (1987)—South Africa (Cape Province).  
 ×hybrida J.M. Macfarlane in *Trans. & Proc. Bot. Soc. Pennsylvania*, 1: 90, 94, 95, 99, pl 12 (1899)—U.S.A. (New Jersey). (D. filiformis × intermedia).  
 mannii M. Cheek in *Phytologia*, 68(2): 86 (1990)—Australia (W. Australia).  
 prostratoscaposa A. Lowrie & S. Carlquist in *Phytologia*, 69(3): 160 (1990)—Australia (W. Australia).  
 pumilla E. Santos in *Bradea*, 4(38): 305 (1986)—Brazil.  
 rechingeri A. Strid in *Pl. Syst. Evol.*, 155(1-4): 343 (1987)—Australia (W. Australia).  
 slackii M.R. Cheek in *Kew Bull.*, 42(3): 738 (1987)—South Africa (Cape Province).  
 venusta P. Debbert in *Mitt. Bot. Staatssamml. München*, 23: 432 (1987)—South Africa (Cape Province).

**DRYADODAPHNE** (Monimiace.).

- crassa Schodde ex W.R. Philipson in *Fl. Males.*, 10(2): 265 (1986)—New Guinea (Papua New Guinea).  
 novoguineensis  
   var. *macra* Schodde ex W.R. Philipson in *Fl. Males.*, 10(2): 266 (1986)—New Guinea (Papua New Guinea).  
   subsp. *occidentalis* Schodde ex W.R. Philipson in *Fl. Males.*, 10(2): 267 (1986)—New Guinea (W. Irian).

**DRYANDRA** (Proteac.).

- shanklandiorum R.P. Randall in *Bot. Jahrb.*, 109(4): 445 (1988)—Australia (W. Australia).

**DRYMOCALLIS** (Rosac.).

- calycina (Boiss. & Bal.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla calycina*.  
 geoides (M.-Bieb.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla geoides*.  
 inquinans (Turcz.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla inquinans*.  
 jailae (Juz.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla jailae*.  
 kulabensis (Wolf) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-5): 118 (1985 publ. 1989): *Potentilla kulabensis*.  
 poteriifolia (Boiss.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla poteriifolia*.  
 regis-borisii (Stoj.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla regis-borisii*.  
 rupestris (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla rupestris*.  
   subsp. *corsica* (Sol. ex Lehm.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla corsica*.  
 tianschanica (Wolf) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(3-4): 118 (1985 publ. 1989): *Potentilla tianschanica*.

**DRYOBALANOPS** (Dipterocarpace.).

- sumatrensis (J.F. Gmelin) A.J.G.H. Kostermans in *Blumea*, 33(2): 346 (1988): *Laurus sumatrensis*.

**DRYPETES** (Euphorbiac.).

- balakrishnanii T. Chakrabarty & M. Gangopadhyay in *J. Econ. Taxon. Bot.*, 12(2): 393 (1988 publ. 1989)—Burma, Bangladesh.  
 bhattacharyae T. Chakrabarty in *J. Econ. Taxon. Bot.*, 7(2): 453 (1985 publ. 1986), as 'bhattacharyai'—Nicobar Is.  
 deplanchei  
   subsp. *affinis* (Pax & Hoffm.) P.S. Green in *Kew Bull.*, 45(2): 239 (1990): D. *affinis*.  
 gerrardinoides A. Radcliffe-Smith in *Kew Bull.*, 45(4): 671 (1990)—Tanzania.  
 hainanensis  
   var. *longistipitata* P.T. Li in *Acta Phytotax. Sin.*, 26(1): 58 (1988), with two types cited—Hainan.  
 lasiogyne  
   subsp. *affinis* (Pax & Hoffm.) P.S. Green in *J. Arnold Arbor.*, 67(1): 111 (1986): D. *affinis*.  
 longipes X.H. Song in *J. Nanjing Inst. Forest.*, 1986(1): 74 (1986)—China.  
 usambarica  
   var. *rugulosa* A. Radcliffe-Smith in *Kew Bull.*, 45(4): 673 (1990)—Tanzania.  
   var. *stylosa* A. Radcliffe-Smith in *Kew Bull.*, 45(4): 673 (1990)—Tanzania.

**DUBOUZETIA** (Elaeocarpace.).

- sect. *Oligovula* M.J.E. Coode in *Kew Bull.*, 42(4): 803 (1987).  
 sect. *Spongosperma* M.J.E. Coode in *Kew Bull.*, 42(4): 809 (1987).  
 australiensis M.J.E. Coode in *Kew Bull.*, 42(4): 805 (1987)—Australia (N. Terr.).

**DUCHESNEA** (Rosac.).

- ×hara-kurosawae N. Naruhashi & M. Sugimoto in *J. Phytogeogr. Taxon.*, 34(1): 11 (1986)—Japan. (D. *chrysantha* × *indica*).

**DUDLEYA** (Crassulac.).

- abramsii  
   subsp. *affinis* K.M. Nakai in *Madroño*, 34(4): 349 (1987 publ. 1988)—U.S.A. (California).  
   subsp. *calicicola* (Bartel & Shevock) K.M. Nakai in *Madroño*, 34(4): 347 (1987 publ. 1988): D. *calicicola*.  
 cymosa  
   subsp. *agourensis* K.M. Nakai in *Madroño*, 34(4): 339 (1987 publ. 1988)—U.S.A. (California).  
   subsp. *crebrifolia* K.M. Nakai & Verity in *Madroño*, 34(4): 344 (1987 publ. 1988)—U.S.A. (California).  
   subsp. *paniculata* (Jeps.) K.M. Nakai in *Madroño*, 34(4): 338 (1987 publ. 1988): *Cotyledon caespitosa* var. *paniculata*.  
   subsp. *pumila* (Rose) K.M. Nakai in *Madroño*, 34(4): 336 (1987 publ. 1988): D. *pumila*.  
 pulverulenta  
   var. *arizonica* (Rose) S.L. Welsh in S.L. Welsh et al., *Utah Fl. (Great Basin Nat. Mem. 9)*: 242 (1987): D. *arizonica*.

**DUGUETIA** (Annonac.).

- antioquiensis H. León & P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 244 (1988)—Colombia.  
 caniflora H. León & P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 246 (1988)—Colombia.

**DUMASIA** (Legumin.).

- prazeri S.V. Predeep & M.P. Nayar in *J. Jap. Bot.*, 65(4): 109 (1990)—Burma.  
 villosa  
   subsp. *bicolor* (Hayata) H. Ohashi & Y. Tateishi in *Sci. Rep. Tohoku Univ.*, Ser. 4, 38(4): 310 (1984): *Dumasia bicolor*.

**DUNBARIA** (Legumin.).

- maymyoensis P. Satyanarayana & K. Thothathri in *Bull. Bot. Surv. India*, 27(1-4): 152 (1985 publ. 1987)—Burma.

**DUPERREA** (Rubiace.).

- pavettaefolia  
   f. *mollissima* H. Chu in *Acta Sci. Nat. Univ. Sunyatseni*, 28(2): 66 (1989)—China.

**DURANDEA** (Linac.).

- neo-caledonica (Vieill.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 103 (1988 publ. Jan. 1989), without basionym ref.; et *Syst. Fl. Neu-Caledonien*, 5: 76, 98 (May 1989), with basionym ref.: *Penicillanthemum neo-caledonicum*.

**DURANTA** (Verbenac.).

- arida  
   subsp. *serpentina* R.W. Sanders & W.S. Judd in *Moscovia*, 4: 217 (1986)—Hispaniola (Haiti).

**DURIO** (Bombacac.).

- bukitrayaensis A.J.G.H. Kostermans in *Bot. Helvetica*, 100(1): 29 (1990)—Borneo (Kalimantan).

**DUSCHEKIA** (Betulac.).

- alnobetula  
   subsp. *suaveolens* (Requien) J. Holub in *Preslia*, 58(4): 302 (1986): *Alnus suaveolens*.

**DUVALIA** (Asclepiadac.).

- sect. *Arabica* U. Meve & F. Albers in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 597 (1990).  
 immaculata (Luchkoff) Bayer ex L.C. Leach in *S. Afr. J. Bot.*, 55(2): 268 (1989): D. *maculata* var. *immaculata*.  
 vestita U. Meve in *Kakt. And. Sukk.*, 39(9): 197 (1988)—South Africa (Cape Province).

**DUVAUCELLIA** S. Bowdich in T.E. Bowdich, Exc.

- Madeira: 259 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980). **RUBIACEAE**.  
 tenuis S. Bowdich in T.E. Bowdich, Exc. Madeira: 259 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980)—Gambia.

**DYAKIA** E.A. Christenson in *Orchid Dig.*, 50(2): 63 (1986). *ORCHIDACEAE*.  
hendersoniana (Reichb. f.) E.A. Christenson in *Orchid Dig.*, 50(2): 63 (1986); *Saccolabium hendersonianum*.

**DYCKIA** (Bromeliac.).

agudensis B.E. Irgang & M. Sobral in *Napaea, Rev. Bot.*, 3: 5 (1987)—Brazil.  
brachystachya W. Rauh & E. Gross in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 8 (1988)—Brazil.  
braunii W. Rauh in *J. Bromeliad Soc.*, 40(1): 25 (1990)—Brazil.  
estevesii W. Rauh in *J. Bromeliad Soc.*, 37(3): 120 (1987)—Brazil.  
granmogulensis W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 11 (1988)—Brazil.  
lindevaldae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 12 (1988)—Brazil.  
nervata W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 21 (1987)—Brazil.  
oligantha  
var. cristallina W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 17 (1988)—Brazil.  
polycladus L.B. Smith in *J. Bromeliad Soc.*, 39(5): 206 (1989)—Brazil.  
racinae L.B. Smith in *J. Bromeliad Soc.*, 38(6): 249 (1988)—Brazil.  
scrutor L.B. Smith in *J. Bromeliad Soc.*, 37(4): 151 (1987)—Brazil.

**DYSCHORISTE** (Acanthac.).

dalyi A.G. Miller in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 66 (1988)—Oman.  
mcvaughii T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(12): 279 (1990), as 'mcvaughii'—Mexico.

**DYSOPHYLLA** (Labiata.).

stellata  
var. taiwaniana S.S. Ying, *Colour. Illustr. Pl. Taiwan, Pt. 4: Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 205 (1980), without type—Taiwan.

**DYSOSMA** (Berberidac.).

furfuracea S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 155 (1987)—China.

**DYSOXYLUM** (Meliac.).

couveleense A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 104 (1967)—New Caledonia.  
hurlimannii A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 105 (1967)—New Caledonia.  
rufescens  
subsp. dzumacense (Guillaumin) D.J. Mabberley in *Fl. N. Caléd. & Dépend.*, 15: 39 (1988); D. dzumacense.

**DYSSODIA** (Compos.).

pulcherrima (Strother) B.L. Turner in *Phytologia*, 68(3): 166 (1990); D. neomexicana var. pulcherrima.

**DYSTOVOMITA** (Guttif.).

paniculata (J.D. Smith) B. Hammel in *Ann. Missouri Bot. Gard.*, 76(3): 927 (1989); *Rheedia paniculata*.

**E**

**EBRACTEOLA** (Aizoac.).

fulleri (L. Bol.) H.F. Glen in *Bothalia*, 16(2): 222 (1986); *Ruschia fulleri*.  
wilmaniae (L. Bol.) H.F. Glen in *Bothalia*, 16(2): 222 (1986); *Mesembryanthemum wilmaniae*.

**ECBALLIUM** (Cucurbitac.).

elaterium  
subsp. dioicum (Batt.) D.E. Costich in *An. Jard. Bot. Madrid*, 45(2): 582 (1988 publ. 1989); E. elaterium var. dioicum.

**ECBOLIUM** (Acanthac.).

albiflorum K. Vollesen in *Kew Bull.*, 44(4): 645 (1989)—Ethiopia, Kenya.  
benoistii K. Vollesen in *Kew Bull.*, 44(4): 675 (1989)—Madagascar.  
boranense K. Vollesen in *Kew Bull.*, 44(4): 661 (1989)—Ethiopia, Kenya.  
clarkei  
var. puberulum K. Vollesen in *Kew Bull.*, 44(4): 668 (1989)—Zimbabwe, Mozambique, Angola, Namibia.  
glabratum K. Vollesen in *Kew Bull.*, 44(4): 669 (1989)—South Africa (Transvaal), Swaziland, Mozambique.  
hastatum K. Vollesen in *Kew Bull.*, 44(4): 643 (1989)—Mozambique.  
humbertii K. Vollesen in *Kew Bull.*, 44(4): 679 (1989)—Madagascar.  
ligustrinum (Vahl) K. Vollesen in *Kew Bull.*, 44(4): 651 (1989); *Justicia ligustrina*.  
madagascariense K. Vollesen in *Kew Bull.*, 44(4): 673 (1989), nom. nov.: E. longiflorum Turill.  
oblongifolium K. Vollesen in *Kew Bull.*, 44(4): 677 (1989), nom. nov.: E. linneanum var. oblongum Benoist.  
palmatum K. Vollesen in *Kew Bull.*, 44(4): 680 (1989), nom. nov.: E. linneanum var. cordatum Benoist.  
subcordatum  
var. glabratum K. Vollesen in *Kew Bull.*, 44(4): 671 (1989)—Kenya, Tanzania.  
syringifolium (Vahl) K. Vollesen in *Kew Bull.*, 44(4): 672 (1989); *Justicia syringifolia*.  
tanzaniense K. Vollesen in *Kew Bull.*, 44(4): 659 (1989)—Tanzania.

**ECCLINUSA** (Sapotac.).

atabapoensis (Aubréville) T.D. Pennington in *Fl. Neotrop.*, 52: 627 (1990); *Neoxythece atabapoensis*.  
bullata T.D. Pennington in *Fl. Neotrop.*, 52: 634 (1990)—Venezuela, Brazil.  
dumetorum (Baehni) T.D. Pennington in *Fl. Neotrop.*, 52: 635 (1990); *Chrysophyllum dumetorum*.  
parviflora T.D. Pennington in *Fl. Neotrop.*, 52: 628 (1990)—Venezuela.

**ECCHOILOPUS** (Gramin.).

cotulifer  
subsp. densiflorus (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 502 (1987); E. cotulifer var. densiflorus.

**ECDYSANTHERA** (Apocynac.).

lakhimpurensis S.K. Srivastava & B.N. Mehrotra in *Candollea*, 41(2): 381 (1986)—Assam.

**ECHEANDIA** (Anthericac.).

altipratensis R.W. Cruden in *Phytologia*, 59(6): 373 (1986)—Guatemala.  
bolivarensis R.W. Cruden in *Ann. Missouri Bot. Gard.*, 76(1): 350 (1989)—Venezuela.  
breedlovei R.W. Cruden in *Phytologia*, 59(6): 374 (1986)—Mexico.  
campechiana R.W. Cruden in *Phytologia*, 59(6): 378 (1986)—Mexico.  
chiapensis R.W. Cruden in *Phytologia*, 59(6): 375 (1986)—Mexico.  
ciliata (Kunth) R.W. Cruden in *Phytologia*, 59(6): 380 (1986); *Phalangium ciliatum*.  
coalcomanensis R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 130 (1987)—Mexico.  
formosa (Weatherby) R.W. Cruden in *Phytologia*, 59(6): 380 (1986); E. macrocarpa var. formosa.  
gentryi R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 132 (1987)—Mexico.  
imbricata R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 133 (1987)—Mexico.  
luteola R.W. Cruden in *Phytologia*, 59(6): 377 (1986)—Mexico, Belize.  
mcvaughii R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 129 (1987), as 'mcvaughii'—Mexico.  
matudae R.W. Cruden in *Phytologia*, 59(6): 376 (1986)—Mexico, Guatemala, Salvador.

**ECHEANDIA** :—

molinae R.W. Cruden in *Phytologia*, 59(6): 377 (1986)—Guatemala.  
occidentalis R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 132 (1987)—Mexico.  
parvicapsulata R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 130 (1987)—Mexico.  
petenensis R.W. Cruden in *Phytologia*, 59(6): 376 (1986)—Guatemala, Belize.  
pihuamensis R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 131 (1987)—Mexico.  
pittieri R.W. Cruden in *Phytologia*, 59(6): 379 (1986)—Panama, Colombia.  
ramosissima (Presl) R.W. Cruden in *Phytologia*, 59(6): 380 (1986); *Phalangium ramosissimum*.  
robusta R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 131 (1987)—Mexico.  
sinaloensis R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 130 (1987)—Mexico.  
skinneri (Baker) R.W. Cruden in *Phytologia*, 59(6): 380 (1986); *Anthericum skinneri*.  
udipratensis R.W. Cruden in *Contrib. Univ. Mich. Herb.*, 16: 132 (1987)—Mexico.  
vestita (Baker) R.W. Cruden in *Phytologia*, 59(6): 380 (1986); *Anthericum vestitum*.  
williamsii R.W. Cruden in *Phytologia*, 59(6): 373 (1986)—Honduras, Guatemala.

**ECHIDNOPSIS** (Asclepiadac.).

sect. Glabra P.V. Bruyns in *Bradleya*, 6: 8 (1988).  
sect. Profundicorona P.V. Bruyns in *Bradleya*, 6: 31 (1988).  
sect. Vadosicorona P.V. Bruyns in *Bradleya*, 6: 14 (1988), as 'Vadosigorona'.  
malum (Lavranos) P.V. Bruyns in *Bradleya*, 6: 43 (1988); *Pseudopectinaria malum*.  
scutellata  
subsp. australis P.V. Bruyns in *Bradleya*, 6: 19 (1988)—Kenya.  
subsp. dhofarensis P.V. Bruyns in *Bradleya*, 6: 18 (1988)—Oman.  
subsp. planiflora (Bally) P.V. Bruyns in *Bradleya*, 6: 19 (1988); E. planiflora.  
sharpei  
subsp. ciliata (Bally) P.V. Bruyns in *Bradleya*, 6: 38 (1988); E. ciliata.  
subsp. repens (R.A. Dyer & Verdoorn) P.V. Bruyns in *Bradleya*, 6: 37 (1988); E. repens.

**ECHINACANTHUS** (Acanthac.).

flaviflorus H.S. Lo & D. Fang in *Acta Bot. Yunnanica*, 7(2): 141 (1985)—China.  
longipes H.S. Lo & D. Fang in *Acta Bot. Yunnanica*, 7(2): 138 (1985)—China.  
longzhouensis H.S. Lo in *Acta Bot. Yunnanica*, 7(2): 140 (1985)—China.

**ECHINACEA** (Compos.).

pallida  
var. sanguinea (Nutt.) K.N. Gandhi & R.D. Thomas in *Sida, Bot. Misc.*, 4: 69 (1989); E. sanguinea.  
serotina (Sweet) D. Don ex G. Don f. in *Loud., Hort. Brit.*, ed. 2: 587 (1832); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981); Basionym not stated.

×**ECHINOBERGIA** R. Mottram, *Contrib. New Class. Cact. Fam.*: 35 (1990). *CACTACEAE*. (Echinofossulocactus × Leuchtenbergia).

**ECHINOCEREUS** (Cactac.).

cinerascens  
var. septentrionalis N.P. Taylor in *Bradleya*, 6: 68 (1988)—Mexico.  
var. tulensis (H. Bravo-H.) N.P. Taylor in *Bradleya*, 6: 69 (1988); E. tulensis.  
coccineus  
var. arizonicus (Rose ex Orcutt) D.J. Ferguson in *Cact. Succ. J. (U.S.A.)*, 61(5): 221 (1989); E. arizonicus.  
var. gurneyi K.D. Heil & S. Brack in *Cact. Succ. J. (U.S.A.)*, 60(1): 26 (1988); E. triglochidiatus var. gurneyi.  
var. paucispinus (Engelm.) D.J. Ferguson in *Cact. Succ. J. (U.S.A.)*, 61(5): 222 (1989); *Cereus paucispinus*.  
longisetus  
var. delaetii (M. Gürke) N.P. Taylor in *Bradleya*, 6: 79 (1988); *Cephalocereus delaetii*.



**ECHINOCEREUS** :-

- metornii G.R.W. Frank in *Kakt. And. Sukk.*, 41(10): 215 (1990)—Mexico.
- mombergerianus G.R.W. Frank in *Kakt. And. Sukk.*, 40(11): 274 (1989)—Mexico.
- nicholii (L. Benson) B.D. Parfitt in *Phytologia*, 63(3): 157 (1987): E. engelmannii var. nicholii.
- parkeri N.P. Taylor in *Bradleya*, 6: 73 (1988)—Mexico.
- var. gonzalezii N.P. Taylor in *Bradleya*, 6: 74 (1988)—Mexico.
- polyacanthus
- var. huitcholensis (F.A.C. Weber) N.P. Taylor in *Bradleya*, 6: 82 (1988): *Cereus huitcholensis*.
- pseudoplectinatus (N.P. Taylor) N.P. Taylor in *Bradleya*, 7: 74 (1989): E. bristolii var. pseudoplectinatus.
- pulchellus
- var. sharpii N.P. Taylor in *Bradleya*, 7: 75 (1989)—Mexico.
- rayonesensis N.P. Taylor in *Bradleya*, 6: 75 (1988)—Mexico.
- scheeri
- var. koehresianus G.R.W. Frank in *Kakt. And. Sukk.*, 39(8): 188 (1988)—Mexico.
- var. obscuriensis A.B. Lau in *Kakt. And. Sukk.*, 40(2): 36 (1989)—Mexico.
- schereri G.R.W. Frank in *Kakt. And. Sukk.*, 41(8): 159 (1990)—Mexico.
- stramineus
- var. occidentalis N.P. Taylor in *Bradleya*, 6: 70 (1988)—Mexico.

**ECHINOCHLOA** (Gramin.).

- crus-galli
- subsp. oryzicola (Vasing) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 503 (1987): *Panicum oryzicola*.
- subsp. utilis (Ohwi & Yabuno) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 503 (1987): E. utilis.
- crus-pavonis
- var. austrojaponensis (Ohwi) S.L. Dai in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(3): 78 (1986), without basionym ref.: Basionym not stated.
- var. breviseta (Neilr.) S.L. Dai in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(3): 78 (1986), without basionym ref.: Basionym not stated.
- var. praticola (Ohwi) S.L. Dai in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(3): 78 (1986), without basionym ref.: Basionym not stated.
- formosensis (Ohwi) S.L. Dai in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(3): 78 (1986), without basionym ref.: Basionym not stated.
- jaliscana R. McVaugh, *Fl. Novo-Galiciana*, 14: 153 (1983)—Mexico.
- persistens Z.S. Diao in *Acta Bot. Yunnanica*, 10(3): 371 (1988)—China.
- walteri
- var. laevigata (Wieg.) S.R. Hill in *Castanea*, 51(4): 277 (1986): E. walteri f. laevigata.

- ECHINOCODON** A.A. Kolakovskii in *Soobshch. Akad. Nauk Gruz. SSR*, 121(2): 387 (1986), non D.Y. Hong (1984). **CAMPANULACEAE**.
- primulifolium (Brot.) A.A. Kolakovskii in *Soobshch. Akad. Nauk Gruz. SSR*, 121(2): 387 (1986): *Campanula primulifolia*.

**ECHINOCORYNE** H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 586 (1987). **COMPOSITAE**.

- echinocephala (H. Robinson) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 587 (1987): *Vernonia echinocephala*.
- holosericea (Mart.) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 587 (1987): *Vernonia holosericea*.
- pungens (Gardn.) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 587 (1987): *Vernonia pungens*.
- schwenkiaefolia (Mart.) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 587 (1987): *Vernonia schwenkiaefolia*.
- stricta (Gardn.) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 588 (1987): *Vernonia stricta*.
- subulata (Baker) H. Robinson in *Proc. Biol. Soc. Wash.*, 100(3): 588 (1987): *Vernonia subulata*.

**ECHINODORUS** (Alismatac.).

- bracteatus
- subsp. efenestratus (Fassett) R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 330 (1986): E. bracteatus var. efenestratus.
- cordifolius
- subsp. fluitans (Fassett) R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 329 (1986): E. fluitans.
- grandiflorus
- subsp. aureus (Fassett) R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 330 (1986): E. grandiflorus var. aureus.
- latifolius (Seubert) K. Rataj in *Fl. Venezuela*, 11(2): 67 (1982): *Alisma tenellum* f. latifolium.
- macrophyllus
- subsp. scaber (Rataj) R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 331 (1986): E. scaber.
- reticulatus R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 327 (1986)—Surinam.
- subulatus
- subsp. andrieuxii (Hook. & Arn.) R.R. Haynes & L.B. Holm-Nielsen in *Brittonia*, 38(4): 327 (1986): *Alisma andrieuxii*.

**ECHINOLAENA** (Gramin.).

- oplismenoides (Munro ex Doell) M.T. Stieber in *Syst. Bot.*, 12(2): 212 (1987): *Ichnanthus oplismenoides*.
- standleyi (A.S. Hitchc.) M.T. Stieber in *Syst. Bot.*, 12(2): 214 (1987): *Ichnanthus standleyi*.

**×ECHINOPARODIA** R. Mottram, *Contrib. New Class. Cact. Fam.*: 36 (1990). **CACTACEAE**. (Echinopsis × Parodia).**ECHINOPS** (Compos.).

- bampsianus S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 255 (1989)—Zaire.
- buhaitensis Mesfin Tadesse in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 617 (1990)—Ethiopia.
- chodzha-mumini M.R. Rasulova & B.A. Sharipova in *Fl. Tadzhikskoi SSR*, 9: 531, 501 (1988)—U.S.S.R. (Middle Asia).
- fraudator C.C. Townsend in *Kew Bull.*, 43(1): 113 (1988)—Iraq.
- hissaricus M.R. Rasulova & B.A. Sharipova in *Fl. Tadzhikskoi SSR*, 9: 530, 498 (1988)—U.S.S.R. (Middle Asia).
- jaxarticus A. Bunge, *Beitr. Fl. Russl.*: 174 (1852)—U.S.S.R. (Middle Asia).
- kebericho Mesfin Tadesse in *Mitt. Inst. Allg. Bot. Hamburg*, 23b: 616 (1990)—Ethiopia.
- lanatus C. Jeffrey & Mesfin Tadesse in *Kew Bull.*, 45(2): 351 (1990)—Tanzania, Uganda, Kenya.
- maracandicus A. Bunge, *Beitr. Fl. Russl.*: 175 (1852)—U.S.S.R. (Middle Asia).†
- nuratavicus A.D. Li in *Novosti Sist. Vyssh. Rast.*, 24: 201 (1987)—U.S.S.R. (Middle Asia).
- pseudomaracandicus M.R. Rasulova & B.A. Sharipova in *Fl. Tadzhikskoi SSR*, 9: 529, 498 (1988)—U.S.S.R. (Middle Asia).
- rubromontanus R. Kam. ex M.R. Rasulova & B.A. Sharipova in *Fl. Tadzhikskoi SSR*, 9: 530, 501 (1988)—U.S.S.R. (Middle Asia).
- taeckholmianus A. Amin in *Candollea*, 42(1): 411 (1987), as 'taeckholmiana'—Egypt.

**ECHINOPSILON** (Chenopodiace.).

- caspicus Lehmann ex A. Bunge, *Beitr. Fl. Russl.*: 279 (1852)—U.S.S.R. (Middle Asia).†

**ECHINOPSIS** (Cactac.).

- aurea
- var. albiflora (Rausch) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Lobivia aurea* var. albiflora.
- var. callochrysea (Ritt.) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Hymenorebutia aurea* var. callochrysea.
- var. catamarcensis (Ritt.) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Hymenorebutia aurea* var. catamarcensis.
- var. depressicostata (Ritt.) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Hymenorebutia aurea* var. depressicostata.
- var. dobeana (Dölz) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Lobivia dobeana*.

**ECHINOPSIS** :-

- var. fallax (Oehme) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Lobivia fallax*.
- var. lariojensis (Ritt.) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Hymenorebutia aurea* var. lariojensis.
- var. sierragrandensis (Rausch) J. Lambert in *Succulenta*, 67(9): 182 (1988), without basionym page: *Lobivia aurea* var. sierragrandensis.
- var. sierragrandensis (Rausch) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Lobivia aurea* var. sierragrandensis.
- var. tortuosa (Rausch) J. Ullmann in *Kaktusy (Brno)*, 26(1): 7 (1990): *Lobivia aurea* var. tortuosa.
- candicans (Gillies ex Salm-Dyck) F.A.C. Weber ex D. Hunt in *Bradleya*, 5: 92 (1987): *Cereus candicans*.
- coquimbana (Britton & Rose) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 86 (1989), as comb. nov., without latin descr. or type—Chile.
- deserticola
- var. fulvilana (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 86 (1989): *Trichocereus fulvilanus*.
- fallax
- var. albiflora (Rausch) J. Lambert in *Succulenta*, 67(9): 182 (1988): *Lobivia aurea* var. albiflora.
- var. callochrysea (Ritter) J. Lambert in *Succulenta*, 67(9): 182 (1988): *Hymenorebutia aurea* var. callochrysea.
- var. catamarcensis (Ritter) J. Lambert in *Succulenta*, 67(9): 182 (1988): *Hymenorebutia aurea* var. catamarcensis.
- var. depressicostata (Ritter) J. Lambert in *Succulenta*, 67(9): 182 (1988): *Hymenorebutia aurea* var. depressicostata.
- var. shaferei (Britton & Rose) J. Lambert in *Succulenta*, 67(9): 182 (1988): *Lobivia shaferei*.
- var. tortuosa (Rausch) J. Lambert in *Succulenta*, 67(9): 182 (1988), without basionym page: *Lobivia aurea* var. tortuosa.
- schieliana (Backeberg) D. Hunt in *Bradleya*, 5: 92 (1987): *Lobivia schieliana*.
- spinibarbis (Otto) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 90 (1989): *Cereus spinibarbis*.
- tegeleriana (Backeberg) D. Hunt in *Bradleya*, 5: 92 (1987): *Lobivia tegeleriana*.
- thionantha (Spegazzini) D. Hunt in *Bradleya*, 5: 92 (1987): *Echinocactus thionanthus*.
- uebelmanniana (Lembcke & Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 92 (1989), basionym invalid: *Soehrensia uebelmanniana*.

**ECHINOSPARTUM** (Legumin.).

- boissieri
- subsp. webbii (Spach) B.E. Smythies in *Englera*, 3(3): 880 (Feb. 1986): *Genista webbii*.
- subsp. webbii (Spach) W. Greuter & Burdet in *Willdenowia*, 16(1): 109 (8 Aug. 1986): *Genista webbii*.

**ECHINOSPERMUM** (Boraginac.).

- divaricatum A. Bunge, *Beitr. Fl. Russl.*: 234 (1852)—U.S.S.R. (Middle Asia).†
- heterocaryum A. Bunge, *Beitr. Fl. Russl.*: 235 (1852), nom. nov.: *Heterocaryum rigidum* DC.†

**ECHIUM** (Boraginac.).

- popovii D.N. Dobrochaeva in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 117 (1976 publ. 1977)—U.S.S.R. (Crimea).
- saetabense J.B. Peris, R. Figuerola & G. Stübing in *Bot. J. Linn. Soc.*, 97(3): 263 (1988)—Spain.

**ECLIPTA** (Compos.).

- longifolia Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1831: 3 (1831); *Linnaea* 8, Lit.: 23 (1834); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.
- oederi (Murr.) Weigel, *Hort. Gryph.*: 33 (1782); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Cotula oederi*.
- patula Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1831: 3 (1831); *Linnaea* 8, Lit.: 23 (1834); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**ECLIPTA** :-

- patula (DC.) Endl., *Cat. Horti Vindob.*, 1: 335 (1842);  
cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984):  
Basionym not stated.

**ECTADIUM** (Asclepiadac.).

- rotundifolium (H. Huber) H.J.T. Venter & J.D.S.  
Kotze in *S. Afr. J. Bot.*, 56(1): 120 (1990): E.  
virgatum var. rotundifolium.

**EDGEWORTHIA** (Thymelaeac.).

- eriosolenoides Feng & S.C. Huang in *Acta Bot.  
Yunnanica*, 7(3): 281 (1985)—China.

**EDMONDIA** (Compos.).

- fasciculata (Andr.) O.M. Hilliard in *Fl. S. Afr.*,  
33(7:2): 316 (1983): *Xeranthemum fasciculatum*.

**EGGELINGIA** (Orchidac.).

- gabonensis P.J. Cribb & F.M. Van der Laan in *Kew  
Bull.*, 44(3): 479 (1989)—Gabon, Cameroun.

**EHRETIA** (Boraginac.).

- abyssinica  
var. silvatica (Guerke) H. Riedl in *Linz. Biol. Beitr.*,  
17(2): 313 (1985): E. silvatica.

**EHRHARTA** (Gramin.).

- ramosa  
subsp. aphylla (Schrader) G.E. Gibbs Russell in  
*Bothalia*, 19(2): 191 (1989): E. aphylla.  
rehmannii  
subsp. filiformis (Stapf) G.E. Gibbs Russell in  
*Bothalia*, 19(2): 193 (1989): E. rehmannii var.  
filiformis.  
subsp. subspicata (Stapf) G.E. Gibbs Russell in  
*Bothalia*, 19(2): 194 (1989): E. subspicata.  
thunbergii G.E. Gibbs Russell in *Bothalia*, 17(2): 192  
(1987), nom. nov.: *Aira villosa* L.f.

**EIRMOCEPHALA** H. Robinson in *Proc. Biol. Soc.*

- Wash., 100(4): 853 (1987). **COMPOSITAE**.  
brachiata (Bentham ex Oersted) H. Robinson in *Proc.  
Biol. Soc. Wash.*, 100(4): 854 (1987): *Vernonia*  
brachiata.  
cainarachiensis (Hieron.) H. Robinson in *Proc. Biol.  
Soc. Wash.*, 100(4): 854 (1987): *Vernonia*  
cainarachiensis.  
megaphylla (Hieron.) H. Robinson in *Proc. Biol. Soc.  
Wash.*, 100(4): 854 (1987): *Vernonia megaphylla*.

**ELAEAGNUS** (Elaeagnac.).

- calcareia Z.R. Xu in *Guihaia*, 5(4): 348 (1985)—China.  
conferta  
var. maculata (Servettaz) D. Basu in *J. Econ.  
Taxon. Bot.*, 7(2): 427 (1985 publ. 1986): E.  
arborea var. maculata.  
crispa C.P. Thunberg ex A. Murray in *Linnaeus, Syst.  
Veg.*, ed. 14: 163 (1784)—Japan.†  
glabra C.P. Thunberg ex A. Murray in *Linnaeus, Syst.  
Veg.*, ed. 14: 164 (1784)—Japan.†  
kanaii  
var. osmastonii C.L. Malhotra & D. Basu in *Bull.  
Bot. Surv. India*, 26(1-2): 121 (1984 publ.  
1985)—India.  
lipoensis Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*,  
1987(2): 46 (1987)—China.  
macrophylla  
var. kotoensis (Hayata) S.S. Ying, *Colour. Illustr.  
Pl. Taiwan, Pt. 3: Colour. Illustr. Ligneous Pl.  
Taiwan*, 1: 455 (1987): E. kotoensis.  
multiflora C.P. Thunberg ex A. Murray in *Linnaeus,  
Syst. Veg.*, ed. 14: 163 (1784)—Japan.†  
parvifolia  
var. nuda (Serv.) D. Basu in *Bull. Bot. Surv. India*,  
27(1-4): 241 (1985 publ. 1987): E. umbellata var.  
nuda.  
var. pedunculata D. Basu in *J. Econ. Taxon. Bot.*,  
8(2): 427 (1986), as 'pedunculatus'—Nepal,  
India.  
var. villosa (Serv.) D. Basu in *Bull. Bot. Surv.  
India*, 27(1-4): 241 (1985 publ. 1987): E.  
umbellata var. villosa.  
pungens C.P. Thunberg ex A. Murray in *Linnaeus,  
Syst. Veg.*, ed. 14: 164 (1784)—Japan.†  
s-stylata Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*,  
1987(2): 45 (1987)—China.

**ELAEAGNUS** :-

- umbellata C.P. Thunberg ex A. Murray in *Linnaeus,  
Syst. Veg.*, ed. 14: 164 (1784)—Japan.†  
xizangensis C.Y. Chang in *Bull. Bot. Res. North-East.  
Forest. Inst.*, 6(2): 74 (1986)—Xizang.

**ELAEOCARPUS** (Elaeocarpace.).

- brachystachyus  
var. fengii C. Chen & Y. Tang in *Bull. Bot. Res.  
North-East. Forest. Inst.*, 8(3): 96 (1988)—  
China.  
capuronii C. Tirel in *Fl. Madagascar*, Fam. 125: 25  
(1985)—Madagascar.  
corallococcus C. Tirel in *Fl. Madagascar*, Fam. 125:  
28 (1985)—Madagascar.  
duclouxii  
var. funingensis Y.C. Hsu & Y. Tang in *Bull. Bot.  
Res. North-East. Forest. Inst.*, 8(3): 96 (1988)—  
China.  
fengjieensis P.C. Tuan in *Acta Sci. Nat. Univ.  
Szechuan*, 1982(4): 83 (1982)—China.  
floribundus  
var. tahanensis (Hend.) F.S.P. Ng in *Tree Fl.  
Malaya*, 4: 88 (1989): E. tahanensis.  
japonicus  
var. yunnanensis C. Chen & Y. Tang in *Bull. Bot.  
Res. North-East. Forest. Inst.*, 8(3): 96 (1988)—  
China.  
lanyuensis C.E. Chang in *Quart. J. Chinese Forest.*,  
21(1): 113 (1988), without type—Taiwan.  
longlingensis Y.C. Hsu & Y. Tang in *Bull. Bot. Res.  
North-East. Forest. Inst.*, 8(3): 95 (1988)—China.  
nitidus  
var. salicifolius (King) F.S.P. Ng in *Tree Fl.  
Malaya*, 4: 91 (1989): E. salicifolius.  
var. velutinus F.S.P. Ng in *Gard. Bull. Singapore*,  
41(2): 44 (1988 publ. 1989)—Malaya.  
var. wrayi (King) F.S.P. Ng in *Tree Fl. Malaya*, 4:  
91 (1989): E. wrayi.  
occidentalis C. Tirel in *Fl. Madagascar*, Fam. 125: 21  
(1985)—Madagascar.  
palembanicus  
var. leptomischus (Ridley) B.C. Stone in *Fed. Mus.  
J. (Kuala Lumpur)*, 26(1): 83 (1981): E.  
leptomischus.  
perincara F. Buchanan-Hamilton in *Trans. Linn. Soc.*,  
17: 181 (1835); fide D.J. Mabberley in *Taxon*,  
26(5-6): 530 (1977)—India.  
perrieri C. Tirel in *Fl. Madagascar*, Fam. 125: 17  
(1985)—Madagascar.  
sallehiana F.S.P. Ng in *Gard. Bull. Singapore*, 41(2):  
43 (1988 publ. 1989)—Malaya.  
sylvestris  
var. pachycarpus (Koidz.) H. Ohba in *J. Jap. Bot.*,  
64(11): 328 (1989): E. pachycarpus.  
symingtonii F.S.P. Ng in *Gard. Bull. Singapore*,  
41(2): 43 (1988 publ. 1989)—Malaya.  
trichanthera (Griff.) W. Theobald in F. Mason,  
*Burmah*, ed. 3, 2: 606 (1883); cf. D.J. Mabberley in  
*Taxon*, 34(1): 155 (1985): *Monoceras trichanthera*.

**ELAEOLUMA** (Sapotac.).

- crispa T.D. Pennington in *Fl. Neotrop.*, 52: 246  
(1990)—Venezuela.

**ELAPHANTHERA** N. Hallé in *Fl. N. Caléd. &*

- Dépend., 15: 134 (1988). **SANTALACEAE**.  
baumannii (Stauffer) N. Hallé in *Fl. N. Caléd. &  
Dépend.*, 15: 136 (1988): *Exocarpos baumannii*.

**ELATOSTEMA** (Urticac.).

- ser. Auriculata W.T. Wang in *Bull. Bot. Res. North-  
East. Forest. Inst.*, 9(2): 72 (1989).  
ser. Hirtella W.T. Wang in *Acta Phytotax. Sin.*, 28(4):  
307 (1990).  
ser. Tenuicaudatoides W.T. Wang in *Acta Phytotax.  
Sin.*, 28(4): 311 (1990).  
acutitepalum W.T. Wang in *Bull. Bot. Res. North-East.  
Forest. Inst.*, 9(2): 74 (1989)—China.  
angustitepalum W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 315 (1990)—Xizang.  
backeri  
var. villosulum W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 312 (1990)—China.  
beibengense W.T. Wang in *Acta Phytotax. Sin.*, 28(4):  
308 (1990)—Xizang.  
beshengii W.T. Wang in *Acta Phytotax. Sin.*, 28(4):  
319 (1990)—Xizang.

**ELATOSTEMA** :-

- biglomeratum W.T. Wang in *Bull. Bot. Res. North-  
East. Forest. Inst.*, 9(2): 67 (1989)—China.  
boehmerioides W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 311 (1990)—Xizang.  
crispulum W.T. Wang in *Acta Bot. Yunnanica*, 7(3):  
295 (1985)—China.  
cuneiforme  
var. gracilipes W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 319 (1990)—Xizang.  
cuspidatum  
var. dolichoceras W.T. Wang in *Acta Bot.  
Yunnanica*, 10(3): 346 (1988)—China.  
didymocephalum W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 316 (1990)—Xizang.  
dulongense W.T. Wang in *Bull. Bot. Res. North-East.  
Forest. Inst.*, 9(2): 72 (1989)—China.  
ebracteatum W.T. Wang in *Acta Phytotax. Sin.*, 28(4):  
316 (1990)—Xizang.  
eriocephalum W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 317 (1990)—Xizang.  
ferrugineum W.T. Wang in *Bull. Bot. Res. North-East.  
Forest. Inst.*, 9(2): 73 (1989)—China.  
grande (Wedd.) P.S. Green in *Kew Bull.*, 45(2): 254  
(1990): E. sessile var. grande.  
gungshanense W.T. Wang in *Acta Bot. Yunnanica*,  
10(3): 344 (1988)—China.  
hekouense W.T. Wang in *Acta Bot. Yunnanica*, 7(3):  
296 (1985)—China.  
hirtellum (W.T. Wang) W.T. Wang in *Acta Phytotax.  
Sin.*, 28(4): 307 (1990): E. subtrichotomum var.  
hirtellum.  
integrifolium  
var. tomentosum (Hook. f.) W.T. Wang in *Acta Bot.  
Yunnanica*, 10(3): 343 (1988): E. sesquifolium  
var. tomentosum.  
litseifolium W.T. Wang in *Acta Phytotax. Sin.*, 28(4):  
313 (1990)—Xizang.  
mabienense  
var. sexbracteatum W.T. Wang in *Bull. Bot. Res.  
North-East. Forest. Inst.*, 9(2): 69 (1989)—  
China.  
microtrichum W.T. Wang in *Acta Bot. Yunnanica*,  
7(3): 299 (1985)—China.  
minutifurfuraceum W.T. Wang in *Acta Bot.  
Yunnanica*, 7(3): 293 (1985)—China.  
parvum  
var. brevicuspis W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 312 (1990)—Xizang.  
platyceras W.T. Wang in *Acta Bot. Yunnanica*, 10(3):  
346 (1988)—China.  
pseudocuspidatum W.T. Wang in *Acta Bot.  
Yunnanica*, 10(3): 345 (1988)—China.  
pseudoficoides  
var. pubicula W.T. Wang in *Acta Bot. Yunnanica*,  
10(3): 348 (1988)—China.  
recticaudatum W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 309 (1990)—Xizang.  
salvinoides  
var. robustum W.T. Wang in *Bull. Bot. Res. North-  
East. Forest. Inst.*, 9(2): 69 (1989)—China.  
shuzhii W.T. Wang in *Acta Phytotax. Sin.*, 28(4): 313  
(1990)—Xizang.  
sinense  
var. trilobatum W.T. Wang in *Bull. Bot. Res. North-  
East. Forest. Inst.*, 9(2): 69 (1989)—China.  
stigmatosum W.T. Wang in *Acta Bot. Yunnanica*,  
7(3): 297 (1985)—China.  
tenuicaudatoides W.T. Wang in *Acta Phytotax. Sin.*,  
28(4): 311 (1990)—Xizang.  
tenuicaudatum  
var. lasiocladum W.T. Wang in *Bull. Bot. Res.  
North-East. Forest. Inst.*, 9(2): 67 (1989)—  
China.  
xinningense W.T. Wang in *Guihaia*, 5(4): 323  
(1985)—China.  
yangbiense W.T. Wang in *Acta Bot. Yunnanica*, 7(3):  
294 (1985)—China.  
yui W.T. Wang in *Bull. Bot. Res. North-East. Forest.  
Inst.*, 9(2): 70 (1989)—China.  
yungshunense W.T. Wang in *Guihaia*, 5(4): 325  
(1985)—China.

**ELATTOSTACHYS** (Sapindac.).

- megalantha S.T. Reynolds in *Fl. Australia*, 25: 199, 70  
(1985)—Australia (Queensland).  
microcarpa S.T. Reynolds in *Fl. Australia*, 25: 199, 72  
(1985)—Australia (Queensland).

**ELEGIA** (Restionac.).

- atriflora* E.E. Esterhuysen in *Bothalia*, 15(3-4): 420 (1985)—South Africa (Cape Province).  
*caespitosa* E.E. Esterhuysen in *Bothalia*, 15(3-4): 421 (1985)—South Africa (Cape Province).  
*fuca* E.E. Esterhuysen in *Bothalia*, 15(3-4): 423 (1985)—South Africa (Cape Province).  
*grandispicata* H.P. Linder in *Bothalia*, 15(3-4): 424 (1985)—South Africa (Cape Province).

**ELEOCHARIS** (Cyperac.).

- sect. Rigidae* (Svens.) I. Kukkonen in *Ann. Bot. Fenn.*, 27(2): 115 (1990): E. subser. *Rigidae*.  
*subgen. Scirpidium* (Nees) I. Kukkonen in *Ann. Bot. Fenn.*, 27(2): 114 (1990): gen. *Scirpidium*.  
*ser. Websteria* (S.H. Wright) G.C. Tucker in *J. Arnold Arbor.*, 68(4): 387 (1987): gen. *Websteria*.  
*abnorma* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 124 (1987)—China.  
*andamanensis* E. Govindarajulu in *Proc. Indian Acad. Sci., Pl. Sci.*, 100(1): 71 (1990)—Andaman Is.  
*argyrolepis* Kierulff in A. Bunge, *Beitr. Fl. Russl.*: 342 (1852)—U.S.S.R. (Middle Asia).†  
*bahiensis* D.A. Simpson in *Kew Bull.*, 43(1): 127 (1988)—Brazil.  
*bulbosa* I. Kukkonen in *Ann. Bot. Fenn.*, 27(2): 112 (1990)—Afghanistan.  
*callosa* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 123 (1987)—China.  
*carinata* D.I. Sakalo in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 48 (1976 publ. 1977)—U.S.S.R. (Ukraine).  
*confervoides* (Poir.) G.C. Tucker in *J. Arnold Arbor.*, 68(4): 388 (1987): *Scirpus confervoides*.  
*erhaiensis* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 122 (1987)—China.  
*filicularis*  
*var. douradae* D.A. Simpson in *Kew Bull.*, 43(1): 133 (1988)—Brazil.  
*glabella* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 118 (1987)—China.  
*grandirostris* (Lindman) F. Meresles in *Candollea*, 43(1): 416 (1988): E. *sulcata* var. *grandirostris*.  
*kamtschatica*  
*var. komarovii* (Zinserl.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 211 (1988): E. *komarovii*.  
*kuoi* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 120 (1987)—China.  
*lehmannii* Kierulff in A. Bunge, *Beitr. Fl. Russl.*: 341 (1852)—U.S.S.R. (Middle Asia).†  
*microlepis* (Griseb.) D.A. Simpson in *Kew Bull.*, 43(3): 429 (1988): *Scirpus microlepis*.  
*minima*  
*var. tenuissima* (Böckeler) D.A. Simpson in *Kew Bull.*, 43(1): 131 (1988): *Heleocharis tenuissima*.  
*morroi* D.A. Simpson in *Kew Bull.*, 43(1): 131 (1988)—Brazil.  
*multicaulis*  
*f. vivipara* (Dumort.) A.R. Pinto da Silva in *Bol. Soc. Brot.*, 60: 157 (1987): *Clavula multicaulis* var. *vivipara*.  
*obtusa*  
*f. detonsa* (A. Gray) C.F. Reed in *Phytologia*, 67(6): 453 (1989): E. *engelmannii* var. *detonsa*.  
*occidentalis* F. Meresles in *Candollea*, 45(2): 653 (1990)—Paraguay.  
*oxystachys* D.I. Sakalo in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 50 (1976 publ. 1977)—U.S.S.R. (Ukraine).  
*palustris*  
*var. globularis* (Zinserl.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 210 (1988): E. *globularis*.  
*var. kurilensis* A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 210 (1988)—Kuril Is.  
*paradoxa* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 121 (1987)—China.  
*penchaoi* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 119 (1987)—China.  
*qinghaiensis* Y.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 117 (1987)—China.  
*rugosa* D.A. Simpson in *Kew Bull.*, 42(4): 900 (1987)—Brazil.  
*setifolia*  
*subsp. schweinfurthiana* (Böckeler) D.A. Simpson in *Kew Bull.*, 43(3): 428 (1988): *Heleocharis schweinfurthiana*.

**ELEOCHARIS** :-

- setulosa* P.C. Li in *Acta Bot. Yunnanica*, 12(1): 11 (1990)—China.  
*tuvina* S.V. Bubnova in *Bot. Zhurn.*, 71(10): 1405 (1986)—U.S.S.R. (Siberia, Middle Asia).

**ELEPHANTOPUS** (Compos.).

- subgen. Pseudelephantopus* (Rohr.) C. Jeffrey in *Kew Bull.*, 43(2): 274 (1988): gen. *Pseudelephantopus*.  
*scaber*  
*var. argenteus* C. Jeffrey in *Kew Bull.*, 43(2): 273 (1988)—Tanzania, Zambia.

**ELETTARIA** (Zingiberac.).

- multiflora* (Ridley) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 462 (1986): *Elettariopsis multiflora*.

**ELEUTHEROCOCCUS** (Araliac.).

- sect. Acanthopanax* (Decne. & Planch.) H. Ohashi in *J. Jap. Bot.*, 62(12): 355 (1987): *Panax* subgen. *Acanthopanax*.  
*sect. Cephalopanax* (Baill.) H. Ohashi in *J. Jap. Bot.*, 62(12): 356 (1987): gen. *Cephalopanax*.  
*sect. Sciadophylloides* (Harms) H. Ohashi in *J. Jap. Bot.*, 62(12): 356 (1987): *Acanthopanax* sect. *Sciadophylloides*.  
*sect. Zanthoxylopanax* (Harms) H. Ohashi in *J. Jap. Bot.*, 62(12): 356 (1987): *Acanthopanax* sect. *Zanthoxylopanax*.  
*cissifolius* (Griffith ex Seemann) T. Nakai, *Chosen-shokubutsu*, 1: 420 (1914); cf. T. Nakai, *Fl. Sylv. Kor.*, 16: 27 (1927): *Aralia cissifolia*.  
*cuspidatus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Acanthopanax cuspidatus*.  
*divaricatus*  
*f. inermis* (Nakai) H. Ohashi in *J. Jap. Bot.*, 62(12): 356 (1987): *Acanthopanax divaricatum* var. *inermis*.  
*eleutheristylus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Acanthopanax eleutheristylus*.  
*var. simplex* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Acanthopanax eleutheristylus* var. *simplex*.  
*fargesii* (Fr.) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Heptapleurum fargesii*.  
*giraldii* (Harms) T. Nakai in *J. Arnold Arbor.*, 5(1): 9 (1924): *Acanthopanax giraldii*.  
*f. hispidus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Acanthopanax giraldii* var. *hispidus*.  
*gracilistylus*  
*var. major* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 358 (1987): *Acanthopanax gracilistylus* var. *major*.  
*var. nodiflorus* (Dunn) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax nodiflorus*.  
*var. trifoliolatus* (C.B. Shang) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax gracilistylus* var. *trifoliolatus*.  
*japonicus*  
*f. ionanthus* (Nakai) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax japonicus* f. *ionantha*.  
*f. kiusianus* (Nakai) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax kiusianum*.  
*lasiogyne*  
*var. ferrugineus* (Y.R. Li) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax lasiogyne* var. *ferrugineus*.  
*leucorrhizus*  
*var. axillaritomentosus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax leucorrhizus* var. *axillaritomentosus*.  
*nikaianus* (Koidz. ex Nakai) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax nikaianum*.  
*obovatus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax obovatus*.  
*rehderianus* (Harms) T. Nakai in *J. Arnold Arbor.*, 5(1): 9 (1924): *Acanthopanax rehderianus*.  
*var. longipedunculatus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax rehderianus* var. *longipedunculatus*.  
*scandens* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax scandens*.  
*sciadophylloides* (Fr. & Sav.) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax sciadophylloides*.

**ELEUTHEROCOCCUS** :-

- f. albovariegatus* (Sugaya) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax sciadophylloides* f. *albo-variegatus*.  
*setchuenensis*  
*var. latifolius* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 359 (1987): *Acanthopanax setchuenensis* var. *latifolius*.  
*simonii*  
*var. longipedicellatus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 360 (1987): *Acanthopanax simonii* var. *longipedicellatus*.  
*spinulosus*  
*f. inermis* (Makino) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax spinulosus* var. *inermis*.  
*stenophyllus* (Harms) T. Nakai in *J. Arnold Arbor.*, 5(1): 9 (1924): *Acanthopanax stenophyllus*.  
*trichodon* (Fr. & Sav.) H. Ohashi in *J. Jap. Bot.*, 62(12): 357 (1987): *Acanthopanax trichodon*.  
*trifoliatus*  
*var. setosus* (Li) H. Ohashi in *J. Jap. Bot.*, 62(12): 360 (1987): *Acanthopanax trifoliatus* var. *setosus*.  
*verticillatus* (Hoo) H. Ohashi in *J. Jap. Bot.*, 62(12): 360 (1987): *Acanthopanax verticillatus*.  
*wilsonii* (Harms) T. Nakai in *J. Arnold Arbor.*, 5(1): 9 (1924): *Acanthopanax wilsonii*.  
*xizangensis* (Y.R. Li) H. Ohashi in *J. Jap. Bot.*, 62(12): 360 (1987): *Acanthopanax xizangensis*.  
*zhejiangensis* (X.J. Xue & S.T. Fang) H. Ohashi in *J. Jap. Bot.*, 62(12): 360 (1987): *Acanthopanax zhejiangensis*.

**ELISANTHE** (Caryophyllac.).

- quadriloba* (Turcz. ex Kar. & Kir.) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 25: 180 (1988): *Silene quadriloba*.

**ELLEANTHUS** (Orchidac.).

- cordactylus* J.D. Ackerman in *Lindleyana*, 2(2): 122 (1987)—Puerto Rico, Cuba, Hispaniola (Dominican Republic, Haiti), Jamaica.  
*hirsutus* K. Barringer in *Syst. Bot.*, 12(1): 162 (1987)—Peru.  
*steyermarkii* K. Barringer in *Syst. Bot.*, 12(1): 165 (1987)—Ecuador.  
*teotepicensis* M.A. Soto Arenas in *Orquidea (México)*, 10(1): 169 (1986)—Mexico.

**ELODEA** (Hypericac.).

- formosa* Ten., *Cat. Ort. Bot. Nap.*: 93 (1845); cf. D.J. Mabberley in *Taxon*, 32(1): 84 (1983)—Locality not stated.

**ELOYELLA** (Orchidac.).

- panamensis* (Dressler) C.H. Dodson in *Icon. Pl. Trop.*, Ser. 2, 5: t. 455 (1989): *Phymatidium panamense*.

**×ELYHORDEUM** (Gramin.).

- arachleicum* G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 31 (1990)—U.S.S.R. (Siberia). (*Elymus sibiricus* × *Hordeum brevisubulatum*).  
*macounii* (Vasey) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 570 (1983): *Elymus macounii*.

**×ELYLEYMUS** (Gramin.).

- aristatus* (Merrill) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 570 (1983): *Elymus aristatus*.

**ELYMUS** (Gramin.).

- abolinii*  
*var. pluriflorus* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 30 (1990)—Xinjiang.  
*acutus* (DC.) M.-A. Thibaud in *Candollea*, 42(1): 340 (1987): *Triticum acutum*.  
*alashanicus* (Keng) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 8 (1987 publ. 1988): *Roegneria alashanica*.  
*altaicus* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 28 (1990)—Xinjiang.  
*aristiglumis* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria aristiglumis*.  
*barbicalulus* (Ohwi) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Agropyron barbicalulus*.

**ELYMUS** :-

- chinensis* (Trinius) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 504 (1987), isonym; see *Keng in Sunyatsenia*, 6: 66 (1941): *Triticum chinense*.
- dahuricus*  
 subsp. *cylindricus* (Franch.) N.R. Cui in *Claves Pl. Xinjiang*, 1: 178 (1982): *E. dahuricus* var. *cylindricus*.  
 subsp. *villosulus* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 504 (1987), isonym; see A. Löve in *Feddes Repert.*, 95(7-8): 451 (1984): *E. villosulus*.
- dentatus*  
 var. *elatus* (Hook. f.) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 497 (1986): *Agropyron dentatum* var. *elatum*.  
 var. *kashmiricus* (Melderis) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 497 (1986): *Agropyron dentatus* var. *kashmiricum*.  
 var. *scabrus* (Nevski) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 497 (1986): *Agropyron dentatus* var. *scabrum*.
- foliosus* (Keng) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria foliosa*.
- geminatus* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria geminata*.
- glaberrimus* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria glaberrima*.
- var. *breviaristatus* S.L. Chen ex D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 29 (1990)—Xinjiang.
- glaucescens* O. Seberg in *Pl. Syst. Evol.*, 166(1-2): 99 (1989), nom. nov.: *Triticum pubiflorum* Steudel.
- gmelinii*  
 var. *tenuisetus* (Ohwi) T. Osada, *Illustr. Grasses of Japan*: 738 (1989), without basionym ref.; et in *J. Jap. Bot.*, 65(9): 266 (1990), with basionym ref.: *Agropyron turczaninowii* var. *tenuisetum*.
- harsukhii* H.S. Dubey & S.N. Dixit in *J. Econ. Taxon. Bot.*, 12(1): 227 (1988)—India, Pakistan.
- hispanicus* (Boiss.) S. Talavera in *Lagascalia*, 14(1): 170 (1986): *Agropyron panormitanus* var. *hispanicus*.
- hondae* (Kitagawa) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria hondai*.
- humidus* (Ohwi & Sakamoto) T. Osada, *Illustr. Grasses of Japan*: 738 (1989): *Agropyron humidum*.
- humilis* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria humilis*.
- hybridus* (Keng) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria hybrida*.
- hyparcticus*  
 subsp. *villosus* (V. Vassil.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): *Roegneria villosa*.
- intramongolicus* (S. Chen & Gaoqiu) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria intramongolica*.
- ircutensis* G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 23 (1990)—U.S.S.R. (Siberia).
- kamoji* (Ohwi) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria kamoji*.
- var. *intermedius* S.L. Chen & Y.X. Jin in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 10 (1987 publ. 1988)—China.
- kaschgaricus* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 27 (1990)—Xinjiang.
- lanceolatus*  
 subsp. *albicans* (Scribner & J.G. Smith) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 568 (1983): *Agropyron albicans*.
- longiglumis* (Keng) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria longiglumis*.
- longisetus* (Hitchc.) J.F. Veldkamp in *Blumea*, 34(1): 74 (1989): *Brachypodium longisetum*.
- magnicaespes* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 25 (1990)—Xinjiang.

**ELYMUS** :-

- mayebaranus* (Honda) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Agropyron mayebaranum*.
- multiflorus*  
 var. *kingianus* (Endl.) H.E. Connor in *Kew Bull.*, 45(4): 680 (1990): *Triticum kingianum*.
- mutabilis*  
 var. *nemoralis* S.L. Chen ex D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 29 (1990)—Xinjiang.
- × *pseudorepens* (Scribner & J.G. Smith) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 568 (1983): *Agropyron pseudorepens*.
- pulancusis* (H.L. Yang) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria pulancusis*.
- racemifer*  
 var. *japonensis* (Honda) T. Osada, *Illustr. Grasses of Japan*: 738 (1989): *Agropyron japonense*.
- repens*  
 var. *aristatus* (Baumgarten) Melderis & D. McClintock in D. McClintock, *Suppl. Wild Flow. Guernsey*: 48 (1987): *Agropyron repens* var. *aristatum*.
- scabrus*  
 var. *plurinervis* (Vickery) B.K. Simon in *Austrobaileya*, 2(3): 242 (1986): *Agropyron scabrum* var. *plurinerve*.
- semicostatus*  
 var. *thomsonii* (Hook. f.) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 498 (1986): *Agropyron semicostatum* var. *thomsonii*.  
 var. *validus* (Melderis) G. Singh in *J. Econ. Taxon. Bot.*, 8(2): 498 (1986): *Agropyron striatum* var. *validum*.
- shandongensis* B. Salomon in *Willdenowia*, 19(2): 449 (1990)—China.
- sinkiangensis* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 26 (1990)—Xinjiang.
- sinohirtiflorus* S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988), nom. nov.: *Roegneria hirtiflora* C.P. Wang & H.L. Yang.
- sylvaticus* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria sylvatica*.
- transhyrcanus*  
 var. *togarovii* A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).
- tschimganicus*  
 var. *glabrispiculus* D.F. Cui in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 30 (1990)—Xinjiang.
- tsukushiensis*  
 var. *transiens* (Hack.) T. Osada, *Illustr. Grasses of Japan*: 738 (1989), without basionym ref.; et in *J. Jap. Bot.*, 65(9): 266 (1990), with basionym ref.: *Agropyron semicostatum* var. *transiens*.
- vaillantianus* (Wulf. & Schreb.) K.B. Jensen in *Genome*, 32(4): 645 (1989): *Triticum vaillantianum*.
- versicolor* A.P. Khokhryakov in *Biol. Rast. i Fl. Sev. Dal'n. Vostok. (ed. M.T. Mazurenko)*: 13 (1981)—U.S.S.R. (Soviet Far East).
- violaceus* (Hornem.) J. Feilberg in *Medd. Grønland, Biosci.*, 15: 12 (1984): *Triticum violaceum*.
- viridulus* (Keng & S.L. Chen) S.L. Chen in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1987: 9 (1987 publ. 1988): *Roegneria viridula*.
- yezoensis* (Honda) T. Osada, *Illustr. Grasses of Japan*: 738 (1989): *Agropyron yezoense*.
- var. *koryoensis* (Honda) T. Osada, *Illustr. Grasses of Japan*: 738 (1989), without basionym ref.: Basionym not stated.

**ELYTHRANTHERA** (Orchidac.).

- × *intermedia* (Fitzg.) M.A. Clements in *Austral. Orchid Res.*, 1: 73 (1989): *Glossodia intermedia*.

**ELYTRARIA** (Acanthac.).

- mexicana* P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 541 (1987)—Mexico.

**ELYTRIGIA** (Gramin.).

- subsect. *Elongatae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 25 (1976 publ. 1977).

**ELYTRIGIA** :-

- ser. *Geniculatae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 11 (1976 publ. 1977).
- ser. *Intermediae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 8 (1976 publ. 1977).
- subsect. *Intermediae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 24 (1976 publ. 1977).
- × *acuta*  
 nothosubsp. *obtusiuscula* (Lange) M. Kerguelen in *Lejeunia*, 120: 86 (1987): *Agropyron* × *obtusiusculum*.
- aegilopoides* (Drob.) N.R. Cui in *Claves Pl. Xinjiang*, 1: 163 (1982): *Agropyron aegilopoides*.
- aracana* (L. Parodi) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 561 (1986): *Agropyron attenuatum* var. *aracana*.
- attenuata* (Kunth) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Triticum attenuatum*.
- bessarabica* (Säcul. & Rayss) O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 10 (1976 publ. 1977): *Agropyron bessarabicum*.
- breviaristata* (A. Hitchc.) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Agropyron breviaristatum*.
- fuegiana* (Speg.) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Triticum fuegianum*.
- intermedia*  
 var. *kugitangi* A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).  
 subsp. *latronum* (Godron) M. Kerguelen in *Lejeunia*, 120: 87 (1987): *Triticum latronum*.
- kotovii* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 14 (1976 publ. 1977)—U.S.S.R. (Crimea).
- × *laxa* (Fries) M. Kerguelen in *Lejeunia*, 120: 88 (1987): *Triticum* × *laxum*.
- levadica* V.B. Kuvaev in *Novosti Sist. Vyssh. Rast.*, 24: 20 (1987)—U.S.S.R. (Caucasus).
- mendocina* (L. Parodi) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Agropyron mendocinum*.
- ninae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 12 (1976 publ. 1977)—U.S.S.R. (Crimea).
- patagonica* (Speg.) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Triticum fuegianum* var. *patagonicum*.
- prokudinii* Druleva ex O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 11 (1976 publ. 1977), nom. nov.: *Agropyron ruthenicum* Prokudin.
- pulcherrima*  
 var. *glabra* A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).
- repens*  
 subsp. *lolioides* (Kar. & Kir.) Á. Löve in *Taxon*, 35(1): 198 (1986): *Triticum lolioides*.  
 subsp. *longearistata* N.R. Cui in *Claves Pl. Xinjiang*, 1: 166 (1982), without latin descr.—Xinjiang.
- sartorii* (Boiss. & Heldr.) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): *Agropyron junceum* var. *sartorii*.
- scabrifolia* (Doell) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 562 (1986): *Triticum repens* var. *scabrifolium*.
- scabriglumis* (Hackel) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 563 (1986): *Agropyron repens* var. *scabriglume*.
- tilcarensis* (J.H. Hunz.) Covas ex J.H. Hunziker & C.C. Xifreda in *Darwiniana*, 27(1-4): 563 (1986): *Agropyron tilcarensis*.
- trichophora*  
 var. *glabra* A. Ataeva in *Izv. Akad. Nauk Turkm. SSR, Biol. Nauk*, 1987(3): 54 (1987)—U.S.S.R. (Middle Asia).

**EMBELIA** (Myrsinac.).

- basal  
 subsp. *ferruginea* (Wall. ex DC.) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 340 (1989): *E. ferruginea*.



**EMBELIA** :-

- brassii *H. Sleumer in Blumea*, 32(2): 390 (1987)—New Guinea (Papua New Guinea).  
 kuborensis *H. Sleumer in Blumea*, 32(2): 392 (1987)—New Guinea (Papua New Guinea).  
 legnophylla *B.C. Stone in Proc. Acad. Nat. Sci. Philadelphia*, 141: 307 (1989)—Borneo (Sabah).  
 var. stenophylla *B.C. Stone in Proc. Acad. Nat. Sci. Philadelphia*, 141: 308 (1989)—Borneo (Sabah).  
 ottoniana *H. Sleumer in Blumea*, 32(2): 389 (1987)—New Guinea (Papua New Guinea).  
 pullenii *H. Sleumer in Blumea*, 32(2): 392 (1987)—New Guinea (Papua New Guinea).  
 tsjeriam-cottam  
 var. ferruginea (*Wall. ex Cl.*) *K. Haridasan & R.R. Rao, Forest Fl. Meghalaya*, 2: 559 (1987): *E. robusta* var. *ferruginea*.

- EMBLEMANTHA** *B.C. Stone in Proc. Acad. Nat. Sci. Philadelphia*, 140(2): 275 (1988).  
**MYRSINACEAE**.  
 urnulata *B.C. Stone in Proc. Acad. Nat. Sci. Philadelphia*, 140(2): 276 (1988)—Sumatra.

**EMILIA** (Compos.).

- sect. *Spathulatae* (*Muschl.*) *C. Jeffrey in Kew Bull.*, 41(4): 911 (1986): *Senecio* sect. *Spathulati*.  
 abyssinica (*Sch. Bip. ex A. Rich.*) *C. Jeffrey in Kew Bull.*, 41(4): 911 (1986): *Senecio* abyssinicus.  
 var. macroglossa *C. Jeffrey in Kew Bull.*, 41(4): 911 (1986)—Tanzania.  
 ambifaria (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Othonna* ambifaria.  
 aurita *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986)—Tanzania.  
 baberka (*Hutch.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* baberka.  
 bellioides (*Chiov.*) *C. Jeffrey in Kew Bull.*, 41(4): 913 (1986): *Senecio* bellioides.  
 brachycephala (*R.E. Fr.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* brachycephalus.  
 cenioides *C. Jeffrey in Kew Bull.*, 41(4): 914 (1986)—Tanzania.  
 coloniaria (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* coloniarius.  
 crispata *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 cryptantha *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986)—Tanzania, Uganda.  
 decipiens *C. Jeffrey in Kew Bull.*, 41(4): 917 (1986)—Tanzania, Mozambique, Malawi.  
 discifolia (*Oliv.*) *C. Jeffrey in Kew Bull.*, 41(4): 912 (1986): *Senecio* discifolius.  
 emiloides (*Sch. Bip.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* emiloides.  
 fallax (*Mattf.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* fallax.  
 flaccida *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 fugax *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania, Zambia.  
 gossweileri (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Crassocephalum* gossweileri.  
 helianthella *C. Jeffrey in Kew Bull.*, 41(4): 911 (1986)—Tanzania.  
 hiernii *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986), nom. nov.: *Othonna* gracilis *Hiern*.  
 hockii (*De Wild. & Muschl.*) *C. Jeffrey in Kew Bull.*, 41(4): 912 (1986): *Senecio* hockii.  
 homblei (*De Wild.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* homblei.  
 irregularibracteata (*De Wild.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* irregularibracteatus.  
 juncea  
 var. iringensis *C. Jeffrey in Kew Bull.*, 41(4): 914 (1986)—Tanzania.  
 khaopawtaensis *H. Koyama in Acta Phytotax. Geobot.*, 37(4-6): 114 (1986)—Thailand, Malaya.  
 kilwensis *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 kivuensis (*Muschl.*) *C. Jeffrey in Kew Bull.*, 41(4): 913 (1986): *Senecio* kivuensis.  
 leptoccephala (*Mattf.*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Senecio* leptoccephalus.  
 leucantha *C. Jeffrey in Kew Bull.*, 41(4): 914 (1986)—Tanzania, Zambia.  
 limosa (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 917 (1986): *Senecio* limosus.
- EMILIA** :-  
 longifolia *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986)—Uganda, Tanzania.  
 longipes *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986)—Tanzania.  
 longiramea (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Crassocephalum* longirameum.  
 lopollensis (*Hiern*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Senecio* lopollensis.  
 marlothiana (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Senecio* marlothianus.  
 micrura *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 myriocephala *C. Jeffrey in Kew Bull.*, 41(4): 917 (1986)—Tanzania.  
 newtonii (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Oligothrix* newtonii.  
 pammicrocephala (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 917 (1986): *Senecio* pammicrocephalus.  
 pseudactis *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986), nom. nov.: *Pseudactis* emiloides *S. Moore*.  
 rigida *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 simulans *C. Jeffrey in Kew Bull.*, 41(4): 916 (1986)—Tanzania.  
 somalensis (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 912 (1986): *Euryops* somalensis.  
 tenellula (*S. Moore*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Senecio* tenellulus.  
 tenera (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 917 (1986): *Senecio* tener.  
 tenuipes *C. Jeffrey in Kew Bull.*, 41(4): 914 (1986)—Tanzania.  
 tenuis *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986)—Tanzania.  
 tessmannii (*Mattf.*) *C. Jeffrey in Kew Bull.*, 41(4): 918 (1986): *Senecio* tessmannii.  
 transvaalensis (*Bolus*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Senecio* transvaalensis.  
 tricholepis *C. Jeffrey in Kew Bull.*, 41(4): 912 (1986)—Kenya.  
 ukambensis (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 912 (1986): *Senecio* ukambensis.  
 ukingensis (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 915 (1986): *Senecio* ukingensis.  
 xyridopsis (*O. Hoffm.*) *C. Jeffrey in Kew Bull.*, 41(4): 919 (1986): *Oligothrix* xyridopsis.
- EMILIELLA** (Compos.).  
 epapposa *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 474 (1989)—Zaire.
- EMINIUM** (Arac.).  
 spiculatum  
 subsp. negeense *J. Koach & N. Feinbrun-Dothan in N. Feinbrun-Dothan, Fl. Palaestina*, 4: 397, 336 (1986)—Israel, Sinai Peninsula.
- EMPETRUM** (Empetrac.).  
 scoticum *hort. in Hort. Soc. Lond., Cat. Fr.*: 46 (1826); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.
- ENCCELIA** (Compos.).  
 canescens *Lamarck, Encycl.*, 2: 356 (1786)—Peru.  
 densifolia *C. Clark & D.W. Kyhos in Madroño*, 35(1): 10 (1988)—Mexico.  
 virginensis  
 var. actonii (*Elmer*) *B.L. Turner in Phytologia*, 68(3): 167 (1990): *E. actonii*.
- ENCEPHALARTOS** (Zamiac.).  
 aemulans *P. Vorster in S. Afr. J. Bot.*, 56(2): 239 (1990)—South Africa (Natal).  
 dolomiticus *J.J. Lavranos & D.L. Goode in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 220 (1988)—South Africa (Transvaal).  
 dyerianus *J.J. Lavranos & D.L. Goode in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 221 (1988)—South Africa (Transvaal).  
 eugene-maraisii  
 subsp. middelburgensis *J.J. Lavranos & D.L. Goode in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 223 (1988)—South Africa (Transvaal).  
 graniticola *P. Vorster, P.J. Robbertse & S. van der Westhuizen in S. Afr. J. Bot.*, 54(4): 363 (1988), as 'graniticulus'—South Africa (Transvaal).

**ENCEPHALARTOS** :-

- ituriensis *P. Bamps & S. Lisowski in Mem. New York Bot. Gard.*, 57: 152 (1990)—Zaire.  
 kisambo *R.B. Faden & H.J. Beentje in Utafiti*, 2(1): 7 (1989)—Kenya.  
 middelburgensis *P. Vorster, P.J. Robbertse & S. van der Westhuizen in S. Afr. J. Bot.*, 55(1): 122 (1989)—South Africa (Transvaal).  
 regalis *Bull. Cat. 1889*: 4 (tab.), 8 (1889); cf. *D.J. Mabberley in Taxon*, 34(3): 456 (1985)—Locality not stated.  
 sclavoi *P. De Luca, D.W. Stevenson & A. Moretti in Delpinoa*, 29-30: 3 (1987-1988 publ. 1989); et in *Mem. New York Bot. Gard.*, 57: 156 (1990)—Tanzania.  
 tumeri *J.J. Lavranos & D. Goode in Garcia de Orta, Ser. Bot.*, 7(1-2): 11 (1985 publ. 1988)—Mozambique.  
 verrucosus *P. Vorster, P.J. Robbertse & S. van der Westhuizen in S. Afr. J. Bot.*, 54(5): 487 (1988)—South Africa (Transvaal).  
 voiensis *A. Moretti, D.W. Stevenson & J.P. Sclavo in Ann. Missouri Bot. Gard.*, 76(3): 935 (1989)—Kenya.

**ENCEIRIDION** (Orchidac.).

- sanfordii (*Jonsson*) *K. Senghas in Schlechter Orchideen*, 1(16-18): 1066 (1986): *Microcoelia* sanfordii.

**ENCHOLIRIUM** (Bromeliac.).

- carmineoviridiflorum *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 9 (1987), as 'carmineoviridiflorum'—Brazil.  
 inermis *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 11 (1987)—Brazil.  
 pedicellatum (*Mez*) *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 15 (1987): *Dyckia* pedicellata.  
 sazimae *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 99 (1987)—Brazil.  
 scrutor (*L.B. Smith*) *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 94 (1987): *Dyckia* scrutor.  
 suzannae *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 19 (1988)—Brazil.  
 vogelii *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 95 (1987)—Brazil.

**ENCYCLIA** (Orchidac.).

- alboxanthina *J.A. Fowlie in Orchid Dig.*, 54(1): 27 (1990)—Brazil.  
 arminii (*Rchb. f.*) *G. Carnevali F.C. & I. Ramirez in Ernstia*, 36: 9 (1986): *Epidendrum* arminii.  
 brachychila (*Lindl.*) *G. Carnevali F.C. & I. Ramirez in Ernstia*, 36: 9 (1986): *Epidendrum* brachychilum.  
 bradfordii (*Griseb.*) *G. Carnevali F.C. & I. Ramirez in Ernstia*, 36: 9 (1986): *Epidendrum* bradfordii.  
 dickensoniana (*Withner*) *F. Hamer in Ic. Pl. Trop.*, 13 (Orch. Nicaragua, pt. 6): t. 1215 (1985): *Epidendrum* dickensonianum.  
 favoris (*Reichenbach f.*) *M.A. Soto Arenas in Orquidea (México)*, 11: 270 (1988): *Epidendrum* favoris.  
 fowliei *D.I. Duveen in Orchid Dig.*, 54(1): 39 (1990)—Brazil.  
 garciana (*Garay & Dunst.*) *G. Carnevali F.C. & I. Ramirez in Ernstia*, 36: 9 (1986): *Epidendrum* garcianum.  
 isochila (*Rchb. f.*) *D.D. Dod in Moscosoa*, 4: 193 (1986): *Epidendrum* isochilum.  
 var. tridens (*Rchb. f.*) *D.D. Dod in Moscosoa*, 4: 193 (1986): *Epidendrum* isochilum var. *tridens*.  
 kraenzlinii (*Bello*) *J.D. Ackerman in Lindleyana*, 2(2): 123 (1987): *Epidendrum* kraenzlinii.  
 lindenii (*Lindl.*) *G. Carnevali F.C. & I. Ramirez in Ernstia*, 36: 9 (1986): *Epidendrum* lindenii.  
 osmantha (*Barb. Rodr.*) *Cogn. ex J.A. Fowlie in Orchid Dig.*, 53(3): 108 (1989), isonym; see *Schlechter, Orchideen*, 210 (1914): *Epidendrum* osmanthum.  
 papillosa (*Batem.*) *I. Aguirre-Olavarieta in Orquidea (México)*, 10(2): 387 (1987): *Epidendrum* papillosum.

**ENCYCLIA** :-

- pulcherrima C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 54 (1989)—Ecuador, Peru.  
 purpurochilum (Barb. Rodr.) J.A. Fowlie in  *Orchid Dig.*, 50(4): 149 (1986), with incorrect basionym ref.: Epidendrum purpurachylum.  
 rhombilabia S. Rosillo de Velasco in  *Orquidea (México)*, 10(1): 145 (1986)—Mexico.  
 sceptrum (Lindl.) G. Carnevali F.C. & I. Ramírez in  *Ernstia*, 36: 9 (1986): Epidendrum sceptrum.  
 thienii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 458 (1989)—Ecuador.  
 tigrina (Linden ex Lindl.) G. Carnevali F.C. & I. Ramírez in  *Ernstia*, 36: 9 (1986): Epidendrum tigrinum.

**ENDIANDRA** (Laurac.).

- bellendenkerana B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 221 (1989)—Australia (Queensland).  
 bessaphila B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 222 (1989)—Australia (Queensland).  
 chartacea A.J.G.H. Kostermans in  *Reinwardtia*, 10(5): 460 (1988)—Celebes.  
 collinsii B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 223 (1989)—Australia (Queensland).  
 cooperana B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 224 (1989)—Australia (Queensland).  
 deomalica (Bennet & Chandra) A.J.G.H. Kostermans in  *Reinwardtia*, 10(5): 461 (1988): Beilschmiedia deomalica.  
 floydii B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 229 (1989)—Australia (New South Wales).  
 grayi B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 231 (1989)—Australia (Queensland).  
 jonesii B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 236 (1989)—Australia (Queensland).  
 leptodendron B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 237 (1989)—Australia (Queensland).  
 limnophila B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 238 (1989)—Australia (Queensland, N. Terr.).  
 monothyras B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 240 (1989)—Australia (Queensland).  
 subsp. trichophylla B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 241 (1989)—Australia (Queensland).  
 muelleri  
 subsp. bracteata B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 243 (1989)—Australia (Queensland, New South Wales).  
 oviformis A.J.G.H. Kostermans in  *Reinwardtia*, 10(5): 461 (1988)—New Guinea (Papua New Guinea).  
 phaeocarpa B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 245 (1989)—Australia (Queensland).  
 sideroxylon B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 248 (1989)—Australia (Queensland).  
 wolfei B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 250 (1989)—Australia (Queensland).  
 xanthocarpa B.P.M. Hyland in  *Austral. Syst. Bot.*, 2(2-3): 251 (1989)—Australia (Queensland).

**ENDOSAMARA** R. Geesink, *Scala Millettiae* (Leiden Bot. Ser., 8): 93 (1984). **LEGUMINOSAE**.  
 racemosa (Roxb.) R. Geesink, *Scala Millettiae* (Leiden Bot. Ser., 8): 93 (1984): Robinia racemosa.**ENDOSTEMON** (Labiata).

- glandulosus R.M. Harley & Sebsebe Demissew in  *Kew Bull.*, 44(4): 706 (1989)—Ethiopia.  
 tomentosus R.M. Harley & Sebsebe Demissew in  *Kew Bull.*, 44(4): 703 (1989)—Somali Republic.

**ENGLEROCHARIS** (Crucif.).

- pauciflora I.A. Al-Shehbaz in  *Nordic J. Bot.*, 8(6): 624 (1989)—Peru.

**ENICOSANTHELLUM** (Annonac.).

- pulchrum (King) E.C.H. van Heusden in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 248 (1988): Polyalthia pulchra.

**ENKIANTHUS** (Ericac.).

- calophyllus T.Z. Hsu in  *Acta Bot. Yunnanica*, 7(2): 151 (1985)—China.  
 subsessilis  
 var. angustifolia H. Hatta & K. Yoshida in  *Ann. Tsukuba Bot. Gard.*, 8: 11 (1989)—Japan.  
 tubulatus P.C. Tam in  *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 125 (1986)—China.

**ENNEAPOGON** (Gramin.).

- caerulescens  
 var. occidentalis E.K.Z. Kakudidi in  *Austral. Syst. Bot.*, 1(4): 333 (1988 publ. 1989)—Australia (W. Australia).  
 decipiens E.K.Z. Kakudidi in  *Austral. Syst. Bot.*, 1(4): 336 (1988 publ. 1989)—Australia (N. Terr., Queensland, W. Australia).  
 eremophilus E.K.Z. Kakudidi in  *Austral. Syst. Bot.*, 1(4): 338 (1988 publ. 1989)—Australia (N. Terr., Queensland).  
 truncatus E.K.Z. Kakudidi in  *Austral. Syst. Bot.*, 1(4): 350 (1988 publ. 1989)—Australia (Queensland, New South Wales).  
 virens (Lindl.) E.K.Z. Kakudidi in  *Austral. Syst. Bot.*, 1(4): 351 (1988 publ. 1989): Pappophorum virens.

**ENTEROLOBIUM** (Legumin.).

- barnebianum A.L. Mesquita & M.F. da Silva in  *Acta Amazonica*, 14(1-2 Suppl.): 153 (1984 publ. 1986)—Colombia, Brazil, Peru.

**EPACRIS** (Epacridac.).

- apsleyensis R.K. Crowden in  *Pap. Proc. Roy. Soc. Tasmania*, 120: 17 (1986)—Tasmania.  
 curtisiae S.J. Jarman in  *Pap. Proc. Roy. Soc. Tasmania*, 122(2): 115 (1988)—Tasmania.  
 grandis R.K. Crowden in  *Pap. Proc. Roy. Soc. Tasmania*, 120: 19 (1986)—Tasmania.

**EPHEDRA** (Ephedrac.).

- equisetina A. Bunge,  *Beitr. Fl. Russl.*: 324 (1852)—U.S.S.R. (Middle Asia).†  
 strobilacea A. Bunge,  *Beitr. Fl. Russl.*: 323 (1852)—U.S.S.R. (Middle Asia).†

**EPHEDRANTHUS** (Annonac.).

- columbianus P.J.M. Maas & A.K. van Setten in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 248 (1988)—Colombia.

**EPICRANTHES** (Orchidac.).

- abbrevilabia (Carr) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (48) 182 (1985 publ. 1986): Bulbophyllum abbrevilabium.  
 adangensis (Seidenf.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (48) 182 (1985 publ. 1986): Bulbophyllum adangense.  
 cheiropetalum (Ridl.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum cheiropetalum.  
 chlororhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum chlororhopalon.  
 cimicina (J.J. Verm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum cimicinum.  
 conchophylla (J.J. Sm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum conchophyllum.  
 corneri (Carr) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum corneri.  
 decarhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum decarhopalon.  
 flavofimbriata (J.J. Sm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (49) 183 (1985 publ. 1986): Bulbophyllum flavofimbriatum.  
 haniffii (Carr) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum haniffii.  
 heterorhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum heterorhopalon.  
 hexarhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum hexarhopalon.  
 hirudinifera (J.J. Verm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum hirudiniferum.  
 johannulii (J.J. Verm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum johannulii.  
 macrorhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum macrorhopalon.

**EPICRANTHES** :-

- mobilifilum (Carr) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum mobilifilum.  
 octorhopalon (Seidenf.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum octorhopalon.  
 papillosofilum (Carr) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum papillosofilum.  
 phymatum (J.J. Verm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (50) 184 (1985 publ. 1986): Bulbophyllum phymatum.  
 psilorhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum psilorhopalon.  
 rigidifilum (J.J. Sm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum rigidifilum.  
 stenorhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum stenorhopalon.  
 trirhopalon (Schltr.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum trirhopalon.  
 undecifila (J.J. Sm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum undecifilum.  
 vesiculosa (J.J. Sm.) L.A. Garay & W. Kittredge in  *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): Bulbophyllum vesiculosum.

**EPIDANTHUS** (Orchidac.).

- talamancana J.T. Atwood in  *Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1315 (1989)—Costa Rica.

**EPIDENDRUM** (Orchidac.).

- appendiculatum T. Hashimoto in  *Bull. Nation. Sci. Mus., B (Tokyo)*, 13(1): 36 (1987)—Peru.  
 aristatum J.D. Ackerman & A.M. Montalvo in  *Selbyana*, 9(1): 126 (1986)—Ecuador.  
 aromaticum (Sw.) Parmentier,  *Cat. Pl. Enghien*: 29 (1818); cf. D.J. Mabberley in  *Taxon*, 33(3): 442 (1984): Vanilla aromatica.  
 aurorae C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 57 (1989), nom. nov.: Epidendrum polyphyllum Lehm. & Krzl.  
 bennettii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 58 (1989)—Peru.  
 brachybotrys J.D. Ackerman & A.M. Montalvo in  *Selbyana*, 9(1): 129 (1986)—Panama.  
 calanthum  
 subsp. revertianum (Stehlé) C. Sastre in  *Orchidophile*, 93: 156 (1990): E. calanthum var. revertianum.  
 candelabrum E. Hagsater in  *Orquidea (México)*, 11: 23 (1988)—Costa Rica, Panama.  
 chaparensis C.H. Dodson & R. Vázquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 327 (1989)—Bolivia.  
 citrosum E. Hagsater in  *Orquidea (México)*, 11: 25 (1988)—Mexico.  
 cochabambanum C.H. Dodson & R. Vázquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 328 (1989)—Bolivia.  
 dressleri E. Hagsater in  *Orquidea (México)*, 10(2): 340 (1987)—Mexico.  
 elongatum  
 subsp. rubrum (Stehlé) C. Sastre in  *Orchidophile*, 93: 153 (1990): E. calanthum var. rubrum.  
 spiritu-santense C.H. Dodson & R. Vázquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 220 (1989)—Bolivia.  
 glumarum F. Hamer & Garay in  *Ic. Pl. Trop.*, 13 (Orch. Nicaragua, pt. 6): t. 1219 (1985)—Nicaragua.  
 greenwoodii E. Hagsater in  *Orquidea (México)*, 10(2): 338 (1987)—Mexico, Guatemala, Salvador.  
 kerichilum E. Hagsater in  *Orquidea (México)*, 11: 26 (1988)—Panama.  
 laeae C.H. Dodson & R. Vázquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 222 (1989)—Bolivia.  
 lueri C.H. Dodson & Hagsater in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 472 (1989)—Ecuador.  
 macroclinium E. Hagsater in  *Orquidea (México)*, 10(2): 319 (1987)—Mexico, Belize, Costa Rica, Guatemala, Nicaragua, Panama.  
 mantis-religiosae E. Hagsater in  *Orquidea (México)*, 11: 27 (1988)—Panama.  
 melistagum E. Hagsater in  *Orquidea (México)*, 11: 28 (1988)—Mexico, Guatemala, Salvador, Honduras.

**EPIDENDRUM** :-

- milena C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 223 (1989)—Bolivia.  
 miradoranum C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 1: t. 66 (1989)—Peru.  
 moronense C.H. Dodson & Hagsater in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 476 (1989)—Ecuador.  
 nanopsis C.H. Dodson & Hagsater in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 477 (1989)—Ecuador.  
 nelsonii E. Hagsater in  *Orquidea (México)*, 10(2): 342 (1987)—Guatemala.  
 odontochilum E. Hagsater in  *Orquidea (México)*, 11: 30 (1988)—Costa Rica.  
 ophidion C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 331 (1989)—Bolivia.  
 pampatamboense C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 224 (1989)—Bolivia.  
 panteonense C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 225 (1989)—Bolivia.  
 roncanum C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 229 (1989)—Bolivia.  
 rosilloi E. Hagsater in  *Orquidea (México)*, 11: 9 (1988)—Mexico.  
 samaipaten C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 231 (1989)—Bolivia.  
 siphonosepaloides T. Hashimoto in  *Ann. Tsukuba Bot. Gard.*, 4: 1 (1986)—Peru.  
 succulentum E. Hagsater in  *Orquidea (México)*, 11: 31 (1988)—Mexico.  
 tandapianum C.H. Dodson & Hagsater in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 490 (1989)—Ecuador.  
 teres C.P. Thunberg ex A. Murray in  *Linnaeus, Syst. Veg.*, ed. 14: 818 (1784)—Japan.†  
 werffii C.H. Dodson & Hagsater in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 492 (1989)—Ecuador.

**EPIGENEUM** (Orchidac.).

- tricallosum (Ames & C. Schweinf.) J.J. Wood in  *Lindleyana*, 5(2): 99 (1990): Dendrobium tricallosum.

**×EPIGLOTTIS** hort. in  *Orchid Rev.*, 94(1109): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (Epidendrum × Scaphyglottis).**EPILOBIUM** (Onagrac.).

- clavotrichon (J. Rohlena) A.W. Hill in  *Index Kewensis*, Supp. 6: 76 (1916–1920 publ. 1926): E. palustre var. clavotrichon.  
 ×jinshaense Raven & H. Li in  *Fl. Yunnanica*, 4: 175 (1986)—China. (E. cylindricum × hirsutum).  
 kesamitsui T. Yamazaki in  *J. Jap. Bot.*, 65(5): 141 (1990)—Japan.  
 komarovii P.N. Ouchinnikov in  *Dokl. Akad. Nauk Tadzh. SSR*, 23(11): 671 (1980)—U.S.S.R. (Middle Asia).  
 semiaimplexicaule H.J. Chowdhery & S. Singh in  *Indian J. Forest.*, 11(1): 80 (1988)—India.  
 sericeum Bernh.,  *Sel. Sem. Hort. Erfurt.*, 1837;  *Linnaea* 12, Lit.: 76 (1839); cf. D.J. Mabberley in  *Taxon*, 32(1): 85 (1983)—Locality not stated.  
 spitianum H.J. Chowdhery & S.K. Murti in  *Indian J. Forest.*, 12(3): 244 (1989)—India.

**EPILYNA** (Orchidac.).

- hirtzii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 5: t. 493 (1989)—Ecuador.

**EPIEDIUM** (Berberidac.).

- coactum H.R. Liang & W.M. Yan in  *Acta Phytotax. Sin.*, 28(4): 321 (1990)—China.  
 var. longtoughum H.R. Liang in  *Acta Phytotax. Sin.*, 28(4): 322 (1990)—China.  
 dolichostemon W.T. Stearn in  *Kew Bull.*, 45(4): 685 (1990)—China.  
 glandulosopilosum H.R. Liang in  *Acta Phytotax. Sin.*, 28(4): 323 (1990)—China.  
 reticulatum C.Y. Wu ex S.Y. Bao in  *Acta Phytotax. Sin.*, 25(2): 156 (1987)—China.  
 truncatum H.R. Liang in  *Acta Phytotax. Sin.*, 28(4): 322 (1990)—China.

**EPIPACTIS** (Orchidac.).

- atrorubens  
 subsp. triploidea J. Gelbrecht & G. Hamel in  *Gleditschia*, 15(2): 204 (1987)—Germany.

**EPIPACTIS** :-

- ×barreana B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 39 (1988)—Italy. (E. latina × muelleri).  
 bugacensis K. Robatsch in  *Ber. Arbeitskr. Heim. Orch.*, 7(1): 13 (1990)—Hungary.  
 ×capellonensis B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 44 (1988)—Italy. (E. atrorubens × latina).  
 danubialis K. Robatsch & J. Rydlo in  *Linz. Biol. Beitr.*, 21(1–2): 296 (1989)—Romania.  
 gracilis B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 26 (1988)—Greece, Italy.  
 halacsyi K. Robatsch in  *Linz. Biol. Beitr.*, 22(1): 146 (1990)—Greece.  
 helleborine  
 f. albifolia M.R. Lowe in  *Vasculum*, 75(1): 3 (1990)—Great Britain.  
 subsp. latina W. Rossi & E. Klein in  *Orchidee*, 38(2): 93 (1987)—Italy.  
 subsp. muelleri (Godfrey) O. de Bolòs, R.M. Masalles & J. Vigo in  *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): E. muelleri.  
 subsp. neerlandica (Vermeulen) K.P. Buttler in  *Willdenowia*, 16(1): 115 (1986): E. helleborine var. neerlandica.  
 ×heterogama M. Bayer in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(2): 196 (1986)—Germany. (E. atrorubens × muelleri).  
 latina (W. Rossi & E. Klein) B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 39 (1988): E. helleborine subsp. latina.  
 leutei K. Robatsch in  *Carinthia II*, 179/99(2): 661 (1989)—Austria.  
 lusitanica D. Tyteca in  *Orchidophile*, 84: 218 (1988)—Portugal.  
 meridionalis H. Baumann & R. Lorenz in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 656 (1988)—Italy.  
 nauosaensis K. Robatsch in  *Linz. Biol. Beitr.*, 21(1–2): 298 (1989)—Greece.  
 olympica K. Robatsch in  *Linz. Biol. Beitr.*, 22(1): 144 (1990)—Greece.  
 ×reinekei M. Bayer in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(2): 202 (1986)—Germany. (E. helleborine × muelleri).  
 renzii K. Robatsch in  *Linz. Biol. Beitr.*, 20(1): 164 (1988)—Denmark.  
 subclausa K. Robatsch in  *Linz. Biol. Beitr.*, 20(1): 167 (1988)—Greece.  
 thessala B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 5 (1988)—Greece.  
 ×trikalana B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 46 (1988)—Greece. (E. helleborine × thessala).  
 ×vermionensis B. & H. Baumann in  *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 48 (1988)—Greece. (E. gracilis × helleborine).

**EPIPHYLLUM** (Cactac.).

- crenatum (Lindl.) G. Don f. in  *Loud., Encycl. Pl., new ed.*: 1378 (1855); cf. D.J. Mabberley in  *Taxon*, 30(1): 16 (1981): Basionym not stated.  
 floribundum M. Kimmach in  *Cact. Succ. J. (U.S.A.)*, 62(2): 85 (1990)—Peru.  
 laui M. Kimmach in  *Cact. Succ. J. (U.S.A.)*, 62(3): 149 (1990)—Mexico.

**EPIPOGIUM** (Orchidac.).

- sect. Roseum A. Nageswara Rao in  *Indian Orchid J.*, 2(1): 15 (1987).

**EPIRIXANTHES** (Polygalac.).

- kinabaluensis T. Wendt in  *Fl. Males.*, 10(3): 491 (1988)—Borneo, Sumatra.  
 pallida T. Wendt in  *Fl. Males.*, 10(3): 492 (1988)—Borneo, Celebes.

**EPISTEMMA** (Asclepiadac.).

- decurrens H. Huber in  *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 448 (1989 publ. 1990)—Cameroun.  
 rupestre H. Huber in  *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 448 (1989 publ. 1990)—Cameroun.

**ERAGROSTIS** (Gramin.).

- chiquitaniensis T.J. Killeen in  *Ann. Missouri Bot. Gard.*, 77(1): 153 (1990)—Bolivia.  
 cilianensis (All.) Vign. ex M.E. Janchen in  *Mitt. Naturw. Ver. Univ. Wien*, 5: 110 (1907): Poa cilianensis.  
 conertii W. Lobin in  *Willdenowia*, 16(1): 143 (1986)—Cape Verde Is.  
 degenensis B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 306 (1989)—China.  
 gloeophylla S.M. Phillips in  *Kew Bull.*, 42(4): 929 (1987)—Somali Republic, Ethiopia.  
 hobdyi H. St. John in  *Phytologia*, 64(3): 177 (1988)—Hawaiian Is.  
 lincangensis B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 305 (1989)—China.  
 mairei  
 var. eglandis B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 307 (1989)—China.  
 minor  
 var. minima B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 307 (1989)—China.  
 molokaiensis H. St. John in  *Phytologia*, 64(3): 177 (1988)—Hawaiian Is.  
 pectinacea  
 var. miserrima (Fourn.) J.R. Reeder in  *Phytologia*, 60(2): 154 (1986): E. purshii var. miserrima.  
 petrensis S.A. Renvoize & H.M. Longhi-Wagner in  *Kew Bull.*, 41(1): 71 (1986)—Brazil.  
 pilosa  
 subsp. neglecta H. Scholz in  *Willdenowia*, 18(1): 219 (1988)—Sudan, Niger, Pakistan.  
 subsp. subspontanea H. Scholz in  *Willdenowia*, 18(1): 218 (1988)—Ethiopia.  
 quinquenervis B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 303 (1989)—China.  
 riobrancensis E.J. Judziewicz & P.M. Peterson in  *Brittonia*, 42(1): 47 (1990)—Guyana, Brazil.  
 rubida B.S. Sun & S. Wang in  *Acta Bot. Yunnanica*, 11(3): 304 (1989)—China.  
 schweinfurthii  
 var. kiwuensis (Jedw.) S.M. Phillips in  *Kew Bull.*, 42(4): 930 (1987): E. kiwuensis.

**ERANTHEMUM** (Acanthac.).

- velutinum Bull. Cat., 225: 8 (1886); cf. D.J. Mabberley in  *Taxon*, 34(3): 456 (1985)—Locality not stated.

**ERANTHIS** (Ranunculac.).

- sect. Shibateranthi (Nakai) M. Tamura in  *Acta Phytotax. Geobot.*, 38: 96 (1987): gen. Shibateranthi.

**EREMANTHUS** (Compos.).

- subgen. Isotrichia (DC.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 277 (1987): Albertinia sect. Isotrichia.  
 sect. Nectaridium (Schultz-Bip.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 281 (1987): Vanillosmopsis subgen. Nectaridium.  
 sect. Synglomerulus N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 275 (1987).  
 subgen. Vanillosmopsis (Schultz-Bip.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 280 (1987): gen. Vanillosmopsis.  
 sect. Vanillosmopsis (Schultz-Bip.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 283 (1987), suggested basionym contrary to Art. 21.3 ICBN (1983): Without generic basionym.  
 arboreus (Gardner) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 286 (1987): Albertinia arborea.  
 brasiliensis (Gardner) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 282 (1987): Monosis brasiliensis.  
 capitatus (Sprengel) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 285 (1987): Conyza capitata.  
 erythropappus (DC.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 284 (1987): Albertinia erythropappa.  
 pohlii (Baker) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 281 (1987): Vanillosmopsis pohlii.  
 polycephalus (DC.) N.F.F. MacLeish in  *Ann. Missouri Bot. Gard.*, 74(2): 283 (1987): Albertinia polycephala.

**EREMOCAULON** T.R. Soderstrom & X. Londoño in Amer. J. Bot., 74(1): 37 (1987). GRAMINEAE.  
aureofimbriatum T.R. Soderstrom & X. Londoño in Amer. J. Bot., 74(1): 37 (1987)—Brazil.

**EREMODRABA** (Crucif.).  
schulzii I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 77(3): 602 (1990)—Peru.

**EREMOPHILA** (Myoporac.).  
compressa R.J. Chinnock in Nuytsia, 5(3): 391 (1986)—Australia (W. Australia).  
deserti (Cunn. ex Benth.) R.J. Chinnock in Fl. S. Australia, 3: 1338 (1986): Myoporum deserti.  
lactea R.J. Chinnock in Nuytsia, 5(3): 393 (1986)—Australia (W. Australia).  
nivea R.J. Chinnock in Nuytsia, 5(3): 395 (1986)—Australia (W. Australia).  
verticillata R.J. Chinnock in Nuytsia, 5(3): 396 (1986)—Australia (W. Australia).

**EREMOSTACHYS** (Labiata).  
aralensis A. Bunge, Beitr. Fl. Russl.: 266 (1852)—U.S.S.R. (Middle Asia).†  
baburii T. Adylov in Dokl. Akad. Nauk Uz. SSR, 1984(9): 47 (1984)—U.S.S.R. (Middle Asia).  
lanata Z. Jamzad in Iranian J. Bot., 3(2): 112 (1987)—Iran.  
transoxana A. Bunge, Beitr. Fl. Russl.: 265 (1852)—U.S.S.R. (Middle Asia).†

**EREPSIA** (Aizoac.).  
sect. Crassifoliae S. Liede in Beitr. Biol. Pfl., 64(3): 466 (1989 publ. 1990), without type.  
sect. Intectatae S. Liede in Beitr. Biol. Pfl., 64(3): 448 (1989 publ. 1990), without type.  
sect. Tectatae S. Liede in Beitr. Biol. Pfl., 64(3): 452 (1989 publ. 1990), without type.  
babiloniae S. Liede in Beitr. Biol. Pfl., 64(3): 467 (1989 publ. 1990)—South Africa (Cape Province).  
dubia S. Liede in Beitr. Biol. Pfl., 64(3): 449 (1989 publ. 1990)—South Africa (Cape Province).  
lacera (Haw.) S. Liede in Beitr. Biol. Pfl., 64(3): 470 (1989 publ. 1990): Mesembryanthemum lacerum.  
pillansii (Kensit) S. Liede in Beitr. Biol. Pfl., 64(3): 471 (1989 publ. 1990): Mesembryanthemum pillansii.

**ERIA** (Orchidac.).  
bidupensis (Gagnep.) Seidenf. ex L.V. Aver'yanov in Bot. Zhurn., 73(3): 432 (1988): Dendrobium bidupense.  
bilobulata  
  subsp. meghasaniensis S. Misra in J. Orchid Soc. India, 2(1-2): 49 (1988)—India.  
bogoriensis  
  var. kurokawae T. Hashimoto in Ann. Tsukuba Bot. Gard., 7: 165 (1988)—New Guinea (Papua New Guinea).  
caricifolia J.J. Wood in Lindleyana, 5(2): 93 (1990)—Borneo (Sarawak).  
  var. glabra J.J. Wood in Lindleyana, 5(2): 95 (1990)—Borneo (Sabah).  
carunculosa (Gagnep.) Seidenf. ex L.V. Aver'yanov in Bot. Zhurn., 73(3): 432 (1988): Dendrobium carunculosum.  
chandrasekharanii (Bhargavan & Mohanan) C. Sathish Kumar & K.S. Manilal in Taxon, 35(4): 720 (1986): Porpax chandrasekharanii.  
cymbidifolia  
  var. pandanifolia J.J. Wood in Lindleyana, 5(2): 95 (1990)—Borneo (Sarawak, Sabah).  
foetida L.V. Aver'yanov in Bot. Zhurn., 73(1): 100 (1988)—Vietnam.  
glandulifera N.C. Deori & S.J. Phukan in J. Orchid Soc. India, 2(1-2): 55 (1988)—India.  
gracilicaulis S.C. Chen & Z.H. Tsi in Bull. Bot. Res. North-East. Forest. Inst., 8(1): 8 (1988)—Xizang.  
lanuginosa J.J. Wood in Lindleyana, 5(2): 95 (1990)—Borneo (Sabah).  
lohitensis A. Nageswara Rao, K. Haridasan & S.N. Hedge in J. Bombay Nat. Hist. Soc., 86(2): 229 (1989)—India.  
longlingensis S.C. Chen in Acta Phytotax. Sin., 26(3): 238 (1988)—China.  
medogensis S.C. Chen & Z.H. Tsi in Acta Phytotax. Sin., 25(5): 329 (1987)—Xizang.

**ERIA** :—  
meghasaniensis (S. Misra) S. Misra in J. Orchid Soc. India, 3(1-2): 69 (1989): E. bilobulata subsp. meghasaniensis.  
musciicola  
  var. ponmudiana M. Mohanan & A.N. Henry in J. Econ. Taxon. Bot., 8(2): 425 (1986)—India.  
obscura L.V. Aver'yanov in Bot. Zhurn., 73(1): 101 (1988)—Vietnam.  
pseudocymbiformis  
  var. hirsuta J.J. Wood in Lindleyana, 5(2): 97 (1990)—Borneo (Sabah).  
spirodela L.V. Aver'yanov in Bot. Zhurn., 73(1): 101 (1988)—Vietnam.  
yanshanensis S.C. Chen in Acta Phytotax. Sin., 26(3): 239 (1988)—China.

**ERIANTHUS** (Gramin.).  
ecklonii Nees in Nees & Schauer, Ind. Sem. Hort. Bot. Vratislav., 1835; Ann. Sci. Nat. II, 6: 103 (1836); cf. D.J. Mabberley in Taxon, 33(3): 442 (1984)—Locality not stated.

**ERICA** (Ericac.).  
altiphila E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987), nom. nov.: Philippia alticola E.G.H. Oliver.  
amicorum E.G.H. Oliver in Bothalia, 20(1): 41 (1990)—South Africa (Cape Province).  
cunoniensis E.G.H. Oliver in Bothalia, 20(1): 43 (1990)—South Africa (Cape Province).  
declinata Hort. Herrenh. ex Hornem., Hort. Hafn., Suppl.: 44 (1819); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984)—Locality not stated.  
dracomontana E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987), nom. nov.: Philippia drakensbergensis E.G.H. Oliver.  
elsieana (E.G.H. Oliver) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987): Philippia elsieana.  
esteriana E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987), nom. nov.: Philippia esterhuysenae E.G.H. Oliver.  
  subsp. swartbergensis (E.G.H. Oliver) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987): Philippia esterhuysenae subsp. swartbergensis.  
evansii (N.E. Br.) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987): Philippia evansii.  
exleana E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987), nom. nov.: Philippia leana Klotzsch.  
mackaiana  
  subsp. andevalensis (Cabezudo & Rivera) D. McClintock & E.C. Nelson in Bot. J. Linn. Soc., 101(3): 282 (1989): E. andevalensis.  
madida E.G.H. Oliver in S. Afr. J. Bot., 53(6): 456 (1987), nom. nov.: Philippia irrorata E.G.H. Oliver.  
manipuliflora  
  f. albiflora D. McClintock in Heather Soc. Year Book, 3(6): 44 (1988)—Turkey.  
notholeana (E.G.H. Oliver) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 457 (1987): Philippia notholeana.  
petricola E.G.H. Oliver in S. Afr. J. Bot., 53(6): 457 (1987), nom. nov.: Philippia petrophila E.G.H. Oliver.  
procaviana (E.G.H. Oliver) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 457 (1987): Philippia procaviana.  
rivularis L.E. Davidson in S. Afr. J. Bot., 55(5): 473 (1989)—South Africa (Transvaal).  
scoparia  
  subsp. madericola D. McClintock in Heather Soc. Year Book, 3(7): 35 (1989)—Madeira.  
simii (S. Moore) E.G.H. Oliver in S. Afr. J. Bot., 53(6): 457 (1987): Philippia simii.  
tegetiformis E.G.H. Oliver in Bothalia, 20(1): 46 (1990), nom. nov., without full replaced synonym ref.: E. senilis var. australis Duffer.  
vagans  
  f. viridula D. McClintock in Heather Soc. Year Book, 3(7): 54 (1989)—Cultivation.  
woodii  
  subsp. platyura O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(2): 199 (1986)—South Africa (Natal).

**ERICAMERIA** (Compos.).  
sect. Asiris (H.M. Hall) G.L. Nesom in Phytologia, 68(2): 152 (1990): Haplopappus sect. Asiris.  
sect. Macronema (Nutt.) G.L. Nesom in Phytologia, 68(2): 152 (1990): gen. Macronema.

**ERICAMERIA** :—  
compacta (H.M. Hall) G.L. Nesom in Phytologia, 68(2): 152 (1990): Haplopappus bloomeri subsp. compactus.  
cooperi  
  var. bajacalifornica (Urbatsch & Wussow) L.E. Urbatsch in Phytologia, 67(2): 109 (1989): E. cooperi subsp. bajacalifornica.  
crispa (L.C. Anderson) G.L. Nesom in Phytologia, 68(2): 152 (1990): Haplopappus crispus.  
discoidea (Nutt.) G.L. Nesom in Phytologia, 68(2): 153 (1990): Macronema discoidea.  
  var. linearis (Rydb.) G.L. Nesom in Phytologia, 68(2): 153 (1990): Macronema linearis.  
gilmanii (S.F. Blake) G.L. Nesom in Phytologia, 68(2): 153 (1990): Haplopappus gilmanii.  
greenei (A. Gray) G.L. Nesom in Phytologia, 68(2): 153 (1990): Haplopappus greenei.  
juarezensis (Moran) L.E. Urbatsch in Phytologia, 67(2): 109 (1989): Haplopappus juarezensis.  
obovata (Rydb.) G.L. Nesom in Phytologia, 68(2): 152 (1990): Macronema obovatum.  
ophitidis (J.T. Howell) G.L. Nesom in Phytologia, 68(2): 153 (1990): Haplopappus bloomeri var. ophitidis.  
palmeri  
  var. pachylepis (H.M. Hall) G.L. Nesom in Phytologia, 67(1): 104 (1989): Haplopappus palmeri subsp. pachylepis.  
parishii  
  var. peninsularis (R. Moran) G.L. Nesom in Phytologia, 67(1): 104 (1989): Haplopappus arborens subsp. peninsularis.  
suffruticosa (Nutt.) G.L. Nesom in Phytologia, 68(1): 153 (1990): Macronema suffruticosa.  
watsonii (A. Gray) G.L. Nesom in Phytologia, 68(2): 152 (1990): Haplopappus watsonii.  
zionis (L.C. Anderson) G.L. Nesom in Phytologia, 68(2): 153 (1990): Haplopappus zionis.

**ERICINELLA** (Ericac.).  
hillburtii E.G.H. Oliver in Bothalia, 16(1): 46 (1986)—South Africa (Cape Province).

**ERIGERON** (Compos.).  
sect. Arenarioides (Rydb.) G.L. Nesom in Phytologia, 67(1): 70 (1989): E. (sp.-group) Arenarioides.  
sect. Cincinnactis G.L. Nesom in Phytologia, 67(1): 73 (1989).  
sect. Imbarba G.L. Nesom in Phytologia, 67(1): 78 (1989).  
sect. Karvinskia G.L. Nesom in Phytologia, 67(1): 79 (1989).  
sect. Linearifolii (G. Don) G.L. Nesom in Phytologia, 67(1): 79 (1989): Aster sect. Linearifolii.  
sect. Osteocaulis G.L. Nesom in Phytologia, 67(1): 82 (1989).  
sect. Polyactis (Less.) G.L. Nesom in Phytologia, 66(5): 416 (1989): gen. Polyactis.  
sect. Scopulincola G.L. Nesom in Phytologia, 67(1): 84 (1989).  
sect. Spathifolium G.L. Nesom in Phytologia, 67(1): 84 (1989).  
sect. Spinosi (Alexander) G.L. Nesom & Sundberg in Phytologia, 67(1): 85 (1989): Aster (sp.-group) Spinosi.  
acomanus R. Spellenberg & P. Knight in Madroño, 36(2): 115 (1989)—U.S.A. (New Mexico).  
anchana G.L. Nesom in Phytologia, 69(3): 231 (1990)—U.S.A. (Arizona).  
annuactis G.L. Nesom in Phytologia, 66(5): 422 (1989)—Mexico.  
awapensis S.L. Welsh in Great Basin Nat., 43(2): 365 (1983)—U.S.A. (Utah).  
basaseachensis G.L. Nesom in Phytologia, 66(5): 426 (1989)—Mexico.  
bellidiastrium  
  var. arenarius (E. Greene) G.L. Nesom in Phytologia, 69(3): 164 (1990): E. arenarius.  
campanensis H. Valdebenito, T.K. Lowrey & T.F. Stuessy in Brittonia, 38(1): 1 (1986)—Chile.  
canaani S.L. Welsh in Great Basin Nat., 43(2): 366 (1983)—U.S.A. (Utah).  
carringtoniae S.L. Welsh in Great Basin Nat., 43(2): 366 (1983), as 'carringtonae'—U.S.A. (Utah).  
caulinifolius G.L. Nesom in Phytologia, 66(5): 428 (1989)—Mexico.



**ERIGERON** :-

- cavernensis *S.L. Welsh & N.D. Atwood in Great Basin Nat.*, 48(4): 495 (1988)—U.S.A. (Nevada).  
 cieloensis *G.L. Nesom in Phytologia*, 67(6): 457 (1989)—Mexico.  
 circulis *G.L. Nesom in Phytologia*, 66(5): 430 (1989)—Mexico.  
 coroniglandifer *G.L. Nesom in Phytologia*, 66(5): 432 (1989)—Mexico.  
 dactyloides (*Greenm.*) *G.L. Nesom in Phytologia*, 66(5): 435 (1989): *E. oreophilus* var. *dactyloides*.  
 eatonii  
   *var. lavandulus* *J.L. Strother & W.J. Ferlatte in Madroño*, 35(2): 83 (1988)—U.S.A. (Idaho, Oregon).  
 eruptens *G.L. Nesom in Phytologia*, 66(5): 438 (1989)—Mexico.  
 fundus *G.L. Nesom in Phytologia*, 66(6): 471 (1989)—Mexico.  
 goodrichii *S.L. Welsh in Great Basin Nat.*, 43(2): 366 (1983)—U.S.A. (Utah).  
 heliographis *G.L. Nesom in Phytologia*, 69(3): 230 (1990)—U.S.A. (Arizona).  
 hintoniolum *G.L. Nesom in Phytologia*, 66(6): 489 (1989)—Mexico.  
 japonicus *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 754 (1784)*—Japan.†  
 maguirei  
   *var. harrisonii* *S.L. Welsh in Great Basin Nat.*, 43(2): 367 (1983)—U.S.A. (Utah).  
 mohinorensis *G.L. Nesom in Phytologia*, 66(6): 492 (1989)—Mexico.  
 nacoriensis *G.L. Nesom in Phytologia*, 66(5): 442 (1989)—Mexico.  
 onofrensis *G.L. Nesom in Phytologia*, 66(6): 491 (1989)—Mexico.  
 pamiricus *V.P. Bochantsev & T.F. Kochkareva in Fl. Tadzhikskoi SSR*, 9: 526, 220 (1988)—U.S.S.R. (Middle Asia).  
 philadelphicus  
   *subsp. provancheri* (*Marie-Victorin & Rousseau*) *J.K. Morton in Canad. J. Bot.*, 66(2): 301 (1988), without exact basionym page: *E. provancheri*.  
 piscaticus *G.L. Nesom in Phytologia*, 67(4): 304 (1989)—U.S.A. (Arizona).  
 podophyllus *G.L. Nesom in Phytologia*, 66(5): 447 (1989)—Mexico.  
 punjabensis *T. Akhtar & M.N. Chaudhri in Pakistan Syst.*, 3(1): 23 (1987)—Pakistan.  
 rhizomactis *G.L. Nesom in Phytologia*, 66(5): 449 (1989)—Mexico.  
 salishii *G.W. Douglas & J.G. Packer in Canad. J. Bot.*, 66(3): 414 (1988)—U.S.A. (Washington), Canada (British Columbia).  
 salmonensis *S.J. Brunsfeld & G.L. Nesom in Brittonia*, 41(4): 424 (1989)—U.S.A. (Idaho).  
 saxatilis *G.L. Nesom in Phytologia*, 69(3): 233 (1990)—U.S.A. (Arizona).  
 scandens *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 754 (1784)*—Japan.†  
 scoparioides *G.L. Nesom in Phytologia*, 66(6): 488 (1989)—Mexico.  
 scopulinus *G.L. Nesom & V.D. Roth in J. Ariz. Acad. Sci.*, 16(2): 39 (1981)—U.S.A. (Arizona, New Mexico).  
 semperflorens *Roezl ex Haage & Schmidt, Belgique horticole*, 22: 83 (1872); *Bull. Retail List*, 67: 10 (1872); *cf. D.J. Mabberley in Taxon*, 34(3): 454 (1985)—Locality not stated.  
 speciosus  
   *var. mollis* (*Gray*) *S.L. Welsh in Great Basin Nat.*, 43(2): 278 (1983): *E. glabellus* var. *mollis*.  
   *var. uintahensis* (*Cronq.*) *S.L. Welsh in Great Basin Nat.*, 43(2): 279 (1983): *E. uintahensis*.  
 turnerorum *G.L. Nesom in Sida*, 12(2): 287 (1987)—Mexico.  
 untermanniorum *S.L. Welsh in Great Basin Nat.*, 43(2): 367 (1983), as 'untermanni'—U.S.A. (Utah).  
 veracruzensis *G.L. Nesom in Phytologia*, 67(1): 74 (1989), nom. nov.: *Aster scaberimus* *Less.*  
 vichrenensis *B. Pawłowski in Acta Bot. Croat.*, 28: 287 (1969)—Bulgaria.  
 wahwahensis *S.L. Welsh in Great Basin Nat.*, 43(2): 368 (1983)—U.S.A. (Utah).  
 wilkenii *S.L. O'Kane in Madroño*, 37(3): 184 (1990)—U.S.A. (Colorado).

**ERIGERON** :-

- zothecinus *S.L. Welsh in Great Basin Nat.*, 46(2): 262 (1986)—U.S.A. (Utah).

**ERINACEA** (Legumin.).

- schoenenbergeri (*Ray.*) *C. Raynaud in Nat. Monspel., Bot.*, 53: 49 (1988 publ. 1989): *E. anthyllis* subsp. *schoenenbergeri*.

**ERIOCAULON** (Eriocaulac.).

- bolei *P.V. Bole & M.R. Almeida in J. Bombay Nat. Hist. Soc.*, 83(3): 600 (1986 publ. 1987)—India.  
 distichoides *J.M. Mangen in Blumea*, 31(2): 487 (1986)—New Guinea (W. Irian).  
 kasaragodense *R. Ansari, V.J. Nair & N.C. Nair in J. Econ. Taxon. Bot.*, 11(1): 235 (1987 publ. 1988)—India.  
 keralense *R. Ansari, V.J. Nair & N.C. Nair in J. Econ. Taxon. Bot.*, 11(1): 235 (1987 publ. 1988)—India.  
 mikawanum  
   *var. azumianum* *H. Takahashi & H. Suzuki in J. Jap. Bot.*, 63(4): 155 (1988)—Japan.  
 nantoense  
   *var. satsumense* *S. Hatusima & T. Sakata in J. Phytogeogr. Taxon.*, 34(2): 64 (1986)—Japan.  
 pancheri *H. Lecomte ex A. Guillaumin & G. Beauvisage in Ann. Soc. Bot. Lyon*, 38: 114 (1913 publ. 1914); *et Sp. Montrouzei*: 40 (1914) (reprint)—New Caledonia.†  
 taishanense *F.Z. Li in Acta Phytotax. Sin.*, 26(4): 318 (1988)—China.  
 taiwanianum *S.S. Ying in Quart. J. Chinese Forest.*, 21(2): 109 (1988)—Taiwan.

**ERIOCHLOA** (Gramin.).

- acuminata  
   *var. minor* (*Vasey*) *R.B. Shaw in Sida*, 12(1): 174 (1987): *E. punctata* var. *minor*.  
 aristata  
   *var. boxiana* (*Hitchc.*) *R.B. Shaw in Sida*, 12(1): 177 (1987): *E. boxiana*.  
 nelsonii  
   *var. papillosa* *R.B. Shaw ex R. McVaugh, Fl. Novo-Galiciana*, 14: 178 (1983)—Mexico.  
 setosa  
   *var. ekmanii* (*Hitchc.*) *R.B. Shaw in Sida*, 12(1): 202 (1987): *Eriochloa ekmanii*.

**ERIOCHRYSIS** (Gramin.).

- ×concepcionensis *T.J. Killeen in Ann. Missouri Bot. Gard.*, 77(1): 157 (1990)—Bolivia. (*E. cayanensis* × *laxa*).

**ERIOGONUM** (Polygonac.).

- sect. *Pterogonum* (*H. Gross*) *J.L. Reveal in Phytologia*, 66(3): 262 (1989): gen. *Pterogonum*.  
 batemanii  
   *var. eremicum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 529 (1984): *E. eremicum*.  
   *var. ostlundii* (*Jones*) *S.L. Welsh in Great Basin Nat.*, 44(4): 529 (1984): *E. ostlundii*.  
 brevicaule  
   *var. desertorum* (*Maguire*) *S.L. Welsh in Great Basin Nat.*, 44(4): 531 (1984): *E. chrysocephalum* subsp. *desertorum*.  
   *var. ephedroides* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 531 (1984): *E. ephedroides*.  
   *var. loganum* (*A. Nels.*) *S.L. Welsh in Great Basin Nat.*, 44(4): 531 (1984): *E. loganum*.  
   *var. nanum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 531 (1984): *E. nanum*.  
   *var. promiscuum* *S.L. Welsh in Great Basin Nat.*, 44(4): 531 (1984)—U.S.A. (Utah).  
   *var. viridulum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 532 (1984): *E. viridulum*.  
 capistratum *J.L. Reveal in Phytologia*, 66(3): 254 (1989)—U.S.A. (Idaho).  
   *var. muhlickii* *J.L. Reveal in Phytologia*, 66(3): 256 (1989)—U.S.A. (Montana).  
   *var. welshii* *J.L. Reveal in Phytologia*, 66(3): 256 (1989)—U.S.A. (Idaho).  
 corymbosum  
   *var. cronquistii* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 534 (1984): *E. cronquistii*.  
   *var. humivagans* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 534 (1984): *E. humivagans*.

**ERIOGONUM** :-

- var. hylophilum* (*Reveal & Brotherson*) *S.L. Welsh in Great Basin Nat.*, 44(4): 534 (1984): *E. hylophilum*.  
*var. smithii* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 535 (1984): *E. smithii*.  
 deflexum  
   *var. rectum* *J.L. Reveal in Phytologia*, 66(3): 263 (1989)—U.S.A. (California).  
 gracile  
   *var. incultum* *J.L. Reveal in Phytologia*, 66(3): 265 (1989)—U.S.A. (California).  
 henricksonii *J.L. Reveal in Phytologia*, 66(3): 261 (1989)—Mexico.  
 lonchophyllum  
   *var. fendlerianum* (*Benth.*) *J.L. Reveal in Phytologia*, 66(3): 252 (1989): *E. microthecum* var. *fendlerianum*.  
   *var. intermontanum* (*Rev.*) *J.L. Reveal in Phytologia*, 66(3): 252 (1989): *E. intermontanum*.  
   *var. saurinum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 540 (1984): *E. saurinum*.  
 luteolum  
   *var. saltuarium* *J.L. Reveal in Phytologia*, 66(3): 264 (1989)—U.S.A. (California).  
 meledonum *J.L. Reveal in Phytologia*, 66(3): 254 (1989)—U.S.A. (Idaho).  
 nudum  
   *var. paralinum* *J.L. Reveal in Phytologia*, 66(3): 258 (1989)—U.S.A. (Oregon, California).  
   *var. regirivum* *J.L. Reveal & J.C. Stebbins in Phytologia*, 66(3): 247 (1989)—U.S.A. (California).  
 nummulare  
   *var. ammophilum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 541 (1984): *E. ammophilum*.  
 ochrocephalum  
   *var. sceptrum* *J.L. Reveal in Phytologia*, 66(3): 252 (1989)—U.S.A. (Idaho).  
 ovalifolium  
   *var. pansum* *J.L. Reveal in Phytologia*, 66(3): 259 (1989)—U.S.A. (Idaho, Montana).  
 prattenianum  
   *var. avium* *J.L. Reveal & J.R. Shevock in Phytologia*, 66(3): 249 (1989)—U.S.A. (California).  
 racemosum  
   *var. coccineum* (*J.T. Howell*) *S.L. Welsh in Great Basin Nat.*, 44(4): 544 (1984): *E. zionis* var. *coccineum*.  
   *var. zionis* (*J.T. Howell*) *S.L. Welsh in Great Basin Nat.*, 44(4): 543 (1984): *E. zionis*.  
 shockleyi  
   *var. packardiae* *J.L. Reveal in Phytologia*, 66(3): 257 (1989), as 'packardae'—U.S.A. (Idaho).  
 spathulatum  
   *var. natum* (*Reveal*) *S.L. Welsh in Great Basin Nat.*, 44(4): 545 (1984): *E. natum*.  
 suffrutescens *Huber, Cat. Gén. 1870 & 1871*: 3 (1870); *cf. D.J. Mabberley in Taxon*, 34(3): 453 (1985)—Locality not stated.  
 thompsoniae  
   *var. matthewsiae* (*Rev.*) *J.L. Reveal in Phytologia*, 66(3): 252 (1989), as 'E. thomsonae' var. *matthewsiae*: *E. corymbosum* var. *matthewsiae*.  
 trichopes  
   *var. hooveri* *J.L. Reveal in Phytologia*, 66(3): 262 (1989)—U.S.A. (California).  
 umbellatum  
   *var. argus* *J.L. Reveal in Phytologia*, 66(3): 261 (1989)—U.S.A. (California, Oregon).  
   *var. goodmanii* *J.L. Reveal in Phytologia*, 66(3): 259 (1989)—U.S.A. (Oregon, California).  
   *var. humistratum* *J.L. Reveal in Phytologia*, 66(3): 260 (1989)—U.S.A. (California).  
 verrucosum *J.L. Reveal in Phytologia*, 66(3): 253 (1989)—U.S.A. (Idaho).

**ERIONEURON** (Gramin.).

- avenaceum  
   *var. kurtzianum* (*L.R. Parodi*) *A.M. Anton in Kurtziana*, 10: 62 (1977): *Tridens avenacea* var. *kurtziana*.  
   *var. longiglume* (*L.R. Parodi*) *A.M. Anton in Kurtziana*, 10: 65 (1977): *Tridens avenacea* var. *longiglumis*.

**ERIONEURON** :-

- var. pygmaeum* (Hackel) A.M. Anton in *Kurtziana*, 10: 63 (1977): *Triodia avenacea* var. *pygmaea*. pilosum  
*var. longearistatum* (Kurtz) A.M. Anton in *Kurtziana*, 10: 58 (1977): *Triodia avenacea* var. *longearistata*.

**ERIOPE** (Labiata).

- blanchetii* (Benth.) R.M. Harley in *Bot. J. Linn. Soc.*, 98(2): 93 (1988): *Hyptis blanchetii*.  
*machrisae* (Epling) R.M. Harley in *Bot. J. Linn. Soc.*, 98(2): 93 (1988): *Hyptis machrisae*.  
*simplex* (St. Hil. ex Benth.) R.M. Harley in *Bot. J. Linn. Soc.*, 98(2): 93 (1988): *Hyptis simplex*.

**ERIOPHORUM** (Cyperac.).

- angustifolium*  
*subsp. minus* (Dalla Torre) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): *E. minus*.

**ERIOSEMA** (Legumin.).

- acuminatum* (Eckl. & Zeyh.) C.H. Stirton in *Bothalia*, 16(1): 13 (1986): *Desmodium squarrosus* var. *acuminatum*.  
*latifolium* (Benth. ex Harv.) C.H. Stirton in *Bothalia*, 16(1): 20 (1986): *E. squarrosus* var. *latifolium*.  
*luteopetalum* C.H. Stirton in *Bothalia*, 16(1): 14 (1986)—South Africa (Natal).  
*rossii* C.H. Stirton in *Bothalia*, 16(1): 18 (1986)—South Africa (Natal, Cape Province).  
*umtamvunense* C.H. Stirton in *Bothalia*, 16(1): 16 (1986)—South Africa (Cape Province, Natal).

**ERISOLENA** (Thymelaeac.).

- composita*  
*var. szemaoensis* Y.Y. Qian in *Acta Bot. Yunnanica*, 7(2): 136 (1985)—China.

**ERIOSPERMUM** (Eriospermac.).

- erinum* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 83 (1989)—South Africa (Cape Province).  
*eriphorum* Marloth ex P.L. Perry in *S. Afr. J. Bot.*, 55(1): 85 (1989)—South Africa (Cape Province).  
*lammarginatum* Marloth ex P.L. Perry in *S. Afr. J. Bot.*, 55(1): 85 (1989)—South Africa (Cape Province).  
*laxiracemosum* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 89 (1989)—South Africa (Cape Province).  
*marginatum* Marloth ex P.L. Perry in *S. Afr. J. Bot.*, 55(1): 89 (1989)—South Africa (Cape Province).  
*ratelpoortianum* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 93 (1989)—South Africa (Cape Province).  
*subincanum* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 93 (1989)—South Africa (Cape Province).  
*subtile* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 97 (1989)—South Africa (Cape Province).  
*undulatum* P.L. Perry in *S. Afr. J. Bot.*, 55(1): 99 (1989)—South Africa (Cape Province).  
*vermiforme* Marloth ex P.L. Perry in *S. Afr. J. Bot.*, 55(1): 99 (1989)—South Africa (Cape Province).

**ERIOSYCE** (Cactac.).

- sandillon*  
*var. algarrobensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 146 (1989): *E. algarrobensis*.  
*var. mollesensis* (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 144 (1989), as 'mollensis': *E. ceratistes* var. *mollesensis*.  
*var. vallenarensis* (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 144 (1989): *E. ceratistes* var. *vallenarensis*.

**ERISMA** (Vochysiac.).

- blancoa* L. Marcano Berti in *Pittieria*, 13: 12 (1986)—Venezuela.  
*silvae* L. Marcano Berti in *Pittieria*, 13: 15 (1986)—Brazil.

**ERITRICHIMUM** (Boraginac.).

- dequinense* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 94 (1986)—China.  
*kangdingense* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 92 (1986)—China.  
*sinomicrocarpum* W.T. Wang in *Fl. Reipubl. Popul. Sin.*, 64(2): 133 (1989), nom. nov.: *E. microcarpum* W.T. Wang.

**ERLANGEA** (Compos.).

- sect. Haarera* (Hutch. & Bruce) C. Jeffrey in *Kew Bull.*, 43(2): 255 (1988): gen. *Haarera*.  
*enigmatica* C. Jeffrey in *Kew Bull.*, 43(2): 256 (1988)—Tanzania.  
*richardsiae* (Wechuyens) C. Jeffrey in *Kew Bull.*, 43(2): 256 (1988): *Bothriocline richardsiae*.

**ERODIUM** (Geraniac.).

- subsect. Ciconia* A. El-Oqlah in *Feddes Repert.*, 100(3-4): 109 (1989), without latin descr.  
*sect. Oxyrrhynchea* A. El-Oqlah in *Feddes Repert.*, 100(3-4): 108 (1989), without latin descr.  
*sect. Pelargoniflora* (Burm.) A. El-Oqlah in *Feddes Repert.*, 100(3-4): 109 (1989): *E. subsect. Pelargoniflora*.  
*absinthoides*  
*subsp. balcanicum* (Micevski) W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: 249 (1986): *E. absinthoides* var. *balcanicum*.

*alpinum*

- subsp. balcanicum* (Micevsky) W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: xxix (1986), without basionym ref.: Basionym not stated.  
 ×*bolosii* A.M. Romo i Diez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 177 (1989)—Spain. (*E. glandulosum* × *rupestre*).

*malacoides*

- subsp. aragonense* (Loscós) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 303 (1990): *E. aragonense*.  
*melanostigma* Mart., *Hort. Acad. Erlangen*: 139 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.

*oxyrrhynchum*

- var. bryonifolium* (Boiss.) A. El-Oqlah in *Feddes Repert.*, 100(3-4): 111 (1989), without basionym ref.: Basionym not stated.  
*paularense* F. Fernández-González & J. Izco in *Candollea*, 44(1): 241 (1989)—Spain.

*sibthorpiatum*

- var. somanum* (Pesmen) A. El-Oqlah in *Feddes Repert.*, 100(3-4): 115 (1989), without exact basionym page: *E. somanum*.

**ERUCARIA** (Crucif.).

- rostrata* (Boiss.) A.W. Hill ex W. Greuter & Burdet in *Willdenowia*, 15(2): 419 (1986): *Didesmus rostratus*.

**ERVATAMIA** (Apocynac.).

- balansae*  
*var. macrophylla* Trần Đình Lý in *Feddes Repert.*, 97(7-8): 451 (1986)—Vietnam.

- ×**ERYDIUM** hort. in *Orchid Rev.*, 94(1115): centre page pull-out p. 10 (1986). **ORCHIDACEAE**. (*Erycina* × *Oncidium*).

**ERYMOPHYLLUM** Paul G. Wilson in *Nuytsia*, 7(1): 105 (1989). **COMPOSITAE**.

- compactum* Paul G. Wilson in *Nuytsia*, 7(1): 110 (1989)—Australia (W. Australia).  
*glossanthus* Paul G. Wilson in *Nuytsia*, 7(1): 106 (1989)—Australia (W. Australia).  
*hemisphaericum* Paul G. Wilson in *Nuytsia*, 7(1): 113 (1989)—Australia (W. Australia).  
*ramosum* (A. Gray) Paul G. Wilson in *Nuytsia*, 7(1): 108 (1989): *Pteropogon ramosus*.  
*ramosum*  
*subsp. involuclatum* (F. Muell.) Paul G. Wilson in *Nuytsia*, 7(1): 109 (1989): *Helichrysum involuclatum*.  
*tenellum* (Turcz.) Paul G. Wilson in *Nuytsia*, 7(1): 114 (1989): *Helipterum tenellum*.

**ERYNGIUM** (Umbellif.).

- aristulatum*  
*subsp. parishii* (Coulter & Rose) R.M. Beauchamp in *Phytologia*, 59(7): 437 (1986): *E. parishii*.  
*bourgatii*  
*subsp. hispanicum* (Willk. & Lange) S. Rivas-Martínez, F. Fernández-González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 109 (1986): *E. bourgatii* var. *hispanicum*.

**ERYNGIUM** :-

- davisii* Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 441 (1988 publ. 1989)—Turkey.  
*hedgeanum* Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 443 (1988 publ. 1989)—Turkey.  
*rechingeri* S.G. Tamamschian & M.G. Pimenov in *Fl. Iran.*, 162: 55 (1987)—Afghanistan.

**ERYSIMUM** (Crucif.).

- sect. Canescentia* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1538 (1987).  
*subsect. Canescentia* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1538 (1987).  
*sect. Contracta* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1537 (1987).  
*subgen. Cuspidaria* (DC.) V.I. Dorofeev in *Novosti Sist. Vyssh. Rast.*, 23: 66 (1986): *E. sect. Cuspidaria*.  
*subsect. Cylindrica* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1542 (1987).  
*subsect. Gelida* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1540 (1987).  
*sect. Hieracifolia* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1539 (1987).  
*subsect. Iberica* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1538 (1987).  
*sect. Pachygonum* (C.A. Mey.) V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1540 (1987): *E. subgen. Pachygonum*.  
*subsect. Subangulata* V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1542 (1987).  
*cantabricum* M.J. Álvarez Martínez, M.Á. Fernández Casado & H.S. Nava in *An. Jard. Bot. Madrid*, 44(2): 539 (1987)—Spain.  
*duriae*  
*subsp. gorbearum* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 207 (1990): *E. gorbearum*.  
*subsp. neumannii* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 207 (1990): *E. neumannii*.  
*subsp. pyrenaicum* (O. Bolòs & Vigo) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 207 (1990): *E. decumbens* subsp. *pyrenaicum*.  
*gelidum*  
*subsp. krynitzkii* (Bordz.) V.I. Dorofeev in *Bot. Zhurn.*, 72(11): 1541 (1987): *E. krynitzkii*.  
*grandiflorum*  
*subsp. collisparsum* (Jord.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 79 (1990): *E. collisparsum*.  
*subsp. dertosense* (O. Bolòs & J. Vigo) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 79 (1990): *E. grandiflorum* var. *dertosense*.  
*subsp. mediohispanicum* (Polatschek) A.M. Romo i Diez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 109 (1989), without exact basionym page: *E. medio-hispanicum*.  
*subsp. mediohispanicum* (Polatschek) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 79 (1990): *E. medio-hispanicum*.  
*incanum*  
*subsp. aurigeranum* (Jeanb. & Timb.-Lagr.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 77 (1990): *E. aurigeranum*.  
*mayorii* M.J. Álvarez Martínez, H.S. Nava & M.Á. Fernández Casado in *An. Jard. Bot. Madrid*, 43(1): 174 (1986)—Spain.  
*michaelis* T.A. Adylov in *Dokl. Akad. Nauk Uz. SSR*, 1980(6): 58 (1980), nom. nov.: *E. popovii* Botsch. & Vved.  
*nevadense*  
*subsp. collisparsum* (Jordan) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 205 (1990): *E. collisparsum*.  
*subsp. fitzii* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 205 (1990): *E. fitzii*.  
*subsp. gomez-campo* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 205 (1990): *E. gomez-campo*.  
*subsp. mediohispanicum* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 205 (1990): *E. mediohispanicum*.  
*subsp. merxmulleri* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 206 (1990): *E. merxmulleri*.  
*subsp. rondae* (Polatschek) P.W. Ball in *Bot. J. Linn. Soc.*, 103(3): 206 (1990): *E. rondae*.

**ERYSIMUM** :-

- pusillum  
*subsp. atticum* (Heldr. & Sart. ex Boiss.) P.W. Ball in Bot. J. Linn. Soc., 103(3): 210 (1990): E. atticum.  
*subsp. cephalonicum* (Polatschek) P.W. Ball in Bot. J. Linn. Soc., 103(3): 210 (1990): E. cephalonicum.  
*subsp. rechingeri* (Jáv.) P.W. Ball in Bot. J. Linn. Soc., 103(3): 210 (1990): E. rechingeri.  
substrigosum  
*subsp. meyerianum* (Rupr.) V.I. Dorofeev in Bot. Zhurn., 72(11): 1537 (1987): Erysimastrum meyerianum.  
sylvestre  
*subsp. aurantiacum* (Leybold) P.W. Ball in Bot. J. Linn. Soc., 103(3): 203 (1990): E. cheiranthus var. aurantiacum.  
*var. intermedium* (Gay ex Gren. & Godr.) O. de Bolos & J. Vigo, Fl. Paisos Catalans, 2: 78 (1990): E. ochroleucum var. intermedium.  
*subsp. pyrenaicum* (Nyman) O. de Bolos & J. Vigo, Fl. Paisos Catalans, 2: 78 (1990): E. ochroleucum subsp. pyrenaicum.  
*var. pyrenaicum* (Nyman) O. de Bolos & J. Vigo, Fl. Paisos Catalans, 2: 78 (1990): E. ochroleucum subsp. pyrenaicum.

**ERYTHRINA** (Legumin.).

- ×dyeri E.F. Hennessy in *Bothalia*, 16(1): 48 (1986)—South Africa (Natal, Cape Province). (E. caffra × lysisstemon).  
poianthes Brot. ex Tillich & Taylor, Phil. Mag., 61: 465 (June 1823); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.  
variegata  
*f. picta* (L.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 435 (1987), without basionym date: E. picta.

**ERYTHROCOCCA** (Euphorbiac.).

- atrovirens  
*var. flaccida* (Pax) A. Radcliffe-Smith in *Kew Bull.*, 42(2): 395 (1987): Claoxylon flaccidum.  
sanjensis A. Radcliffe-Smith in *Kew Bull.*, 41(4): 963 (1986)—Tanzania.  
uniflora M.G. Gilbert in *Kew Bull.*, 42(2): 363 (1987)—Ethiopia.

**ERYTHRODES** (Orchidac.).

- laticalcari D.D. Dod in *Moscosoa*, 5: 231 (1989)—Hispaniola (Dominican Republic).  
parvula P.J. Kores in *Allertonia*, 5(1): 30 (1989)—Fiji, Tonga, Samoa.  
soraria (Garay) C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 232 (1989): Stephanothelys soraria.

**ERYTHROCHIS** (Orchidac.).

- cassythoides (A. Cunn. ex Lindl.) L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 234 (1986): Dendrobium cassythoides.  
ochobiensis (Hayata) L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 234 (1986): Galeola ochobiensis.

**ERYTHRORHIPSALIS** (Cactac.).

- burchellii (B. & R.) Volgin in *Vestn. Moskovsk. Univ. Ser. 16, Biol.*, 36(3): 19 (1981); cf. *Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): Rhipsalis burchellii.  
campos-portoana (Loefgren) Volgin in *Vestn. Moskovsk. Univ. Ser. 16, Biol.*, 36(3): 19 (1981); cf. *Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): Rhipsalis campos-portoana.  
cereuscula (Haw.) Volgin in *Vestn. Moskovsk. Univ. Ser. 16, Biol.*, 36(3): 19 (1981); cf. *Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): Rhipsalis cereuscula.  
cribrata (Lem.) Volgin in *Vestn. Moskovsk. Univ. Ser. 16, Biol.*, 36(3): 19 (1981); cf. *Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): Hariota cribrata.

**ERYTHROXYLUM** (Erythroxylac.).

- andrei T. Plowman in *Fieldiana, Bot., n.s.*, 19: 2 (1987)—Brazil.  
bezerrae T. Plowman in *Brittonia*, 38(3): 196 (1986)—Brazil.

**ERYTHROXYLUM** :-

- caatingae T. Plowman in *Fieldiana, Bot., n.s.*, 19: 5 (1987)—Brazil.  
foetidum T. Plowman in *Brittonia*, 40(3): 256 (1988)—Venezuela.  
guanchezii T. Plowman in *Brittonia*, 40(3): 261 (1988)—Venezuela.  
indicum (DC.) W. Elliot, *Fl. Andhirica*: 46 (1859); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.  
ligustrinum  
*var. carajasense* T. Plowman in *Acta Amazonica*, 14(1–2 Suppl.): 122 (1984 publ. 1986)—Brazil.  
loretense T. Plowman in *Candollea*, 43(1): 421 (1988)—Peru, Brazil.  
macrophyllum  
*var. ecuadorensis* T. Plowman in *Fl. Ecuador*, 36(93): 18 (1989)—Ecuador.  
*var. macrocnemium* (Mart.) T. Plowman in *Candollea*, 43(1): 429 (1988): E. macrocnemium.  
*var. savannarum* T. Plowman in *Brittonia*, 40(3): 263 (1988)—Venezuela, Colombia.  
maracasense T. Plowman in *Fieldiana, Bot., n.s.*, 19: 8 (1987)—Brazil.  
mattos-silvae T. Plowman in *Fieldiana, Bot., n.s.*, 19: 12 (1987)—Brazil.  
membranaceum T. Plowman in *Fieldiana, Bot. n.s.*, 19: 17 (1987)—Brazil.  
nelson-rosae T. Plowman in *Acta Amazonica*, 14(1–2 Suppl.): 124 (1984 publ. 1986)—Brazil.  
pauferrense T. Plowman in *Brittonia*, 38(3): 193 (1986)—Brazil.  
petrae-caballi T. Plowman in *Fieldiana, Bot., n.s.*, 19: 20 (1987)—Brazil.  
ruryi T. Plowman in *Candollea*, 43(1): 426 (1988)—Bolivia, Peru.  
santosii T. Plowman in *Fieldiana, Bot., n.s.*, 19: 25 (1987)—Brazil.  
schunkei T. Plowman in *Acta Amazonica*, 14(1–2 Suppl.): 127 (1984 publ. 1986)—Peru.  
simonis T. Plowman in *Brittonia*, 38(3): 189 (1986)—Brazil.  
splendidum T. Plowman in *Fieldiana, Bot., n.s.*, 19: 25 (1987)—Brazil.  
stipulosum T. Plowman in *Fieldiana, Bot., n.s.*, 19: 31 (1987)—Brazil.  
tenue T. Plowman in *Fieldiana, Bot., n.s.*, 19: 35 (1987)—Brazil.  
tianguanum T. Plowman in *Brittonia*, 38(3): 198 (1986)—Brazil.  
tucuruense T. Plowman in *Acta Amazonica*, 14(1–2 Suppl.): 131 (1984 publ. 1986)—Brazil.  
vasquezii T. Plowman in *Candollea*, 43(1): 424 (1988)—Peru.

**ESCHSCHOLZIA** (Papaverac.).

- lemmonii  
*subsp. kernensis* (Munz) C. Clark in *Madroño*, 33(3): 225 (1986): E. caespitosa subsp. kernensis.

**ESCHWEILERIA** (Lecythidac.).

- sect. Bracteosa S.A. Mori in *Fl. Neotrop.*, 21(II): 172 (1990).  
sect. Jugastrum G.T. Prance & S.A. Mori in *Fl. Neotrop.*, 21(II): 177 (1990).  
sect. Tetrapetala S.A. Mori in *Fl. Neotrop.*, 21(II): 169 (1990).  
amazoniciformis S.A. Mori in *Fl. Neotrop.*, 21(II): 227 (1990)—Brazil.  
amplexifolia S.A. Mori in *Fl. Neotrop.*, 21(II): 210 (1990)—Panama.  
atropetiolata S.A. Mori in *Fl. Neotrop.*, 21(II): 241 (1990)—Brazil.  
baguensis S.A. Mori in *Fl. Neotrop.*, 21(II): 185 (1990)—Peru.  
beebei Pittier ex S.A. Mori in *Fl. Neotrop.*, 21(II): 183 (1990)—Venezuela.  
boltenii S.A. Mori in *Fl. Neotrop.*, 21(II): 240 (1990)—Surinam.  
carinata S.A. Mori in *Fl. Neotrop.*, 21(II): 257 (1990)—Brazil.  
chartaceifolia S.A. Mori in *Fl. Neotrop.*, 21(II): 228 (1990)—Brazil, Peru.  
coriacea (A.P. de Candolle) S.A. Mori in *Fl. Neotrop.*, 21(II): 203 (1990): Lecythis coriacea.  
costaricensis S.A. Mori in *Ann. Missouri Bot. Gard.*, 74(2): 455 (1987)—Costa Rica, Nicaragua.

**ESCHWEILERIA** :-

- integrallyx S.A. Mori in *Fl. Neotrop.*, 21(II): 210 (1990)—Colombia.  
jacquelyniae S.A. Mori in *Fl. Neotrop.*, 21(II): 192 (1990)—Panama.  
laevicarpa S.A. Mori in *Mem. New York Bot. Gard.*, 44: 32 (1987)—Brazil, French Guiana, Peru.  
longipedicellata S.A. Mori in *Fl. Neotrop.*, 21(II): 199 (1990)—Panama, Colombia.  
longirachis S.A. Mori in *Fl. Neotrop.*, 21(II): 203 (1990)—Panama.  
microcalyx S.A. Mori in *Fl. Neotrop.*, 21(II): 195 (1990)—Colombia.  
neblinensis S.A. Mori in *Fl. Neotrop.*, 21(II): 256 (1990)—Venezuela.  
neei S.A. Mori in *Fl. Neotrop.*, 21(II): 183 (1990)—Panama, Colombia.  
pedicellata (Richard) S.A. Mori in *Mem. New York Bot. Gard.*, 44: 34 (1987): Lecythis pedicellata.  
piresii S.A. Mori in *Fl. Neotrop.*, 21(II): 227 (1990)—Brazil.  
punctata S.A. Mori in *Fl. Neotrop.*, 21(II): 219 (1990)—Colombia, Brazil.  
revoluta S.A. Mori in *Fl. Neotrop.*, 21(II): 174 (1990)—Venezuela.  
rionegrense S.A. Mori in *Fl. Neotrop.*, 21(II): 223 (1990)—Brazil.  
rodriguesiana S.A. Mori in *Fl. Neotrop.*, 21(II): 255 (1990)—Brazil.  
roraimensis S.A. Mori in *Fl. Neotrop.*, 21(II): 237 (1990)—Venezuela, Brazil.  
rufifolia S.A. Mori in *Fl. Neotrop.*, 21(II): 257 (1990)—Peru.  
squamata S.A. Mori in *Mem. New York Bot. Gard.*, 44: 33 (1987)—French Guiana.  
subcordata S.A. Mori in *Fl. Neotrop.*, 21(II): 225 (1990)—Brazil.  
venezuelica S.A. Mori in *Fl. Neotrop.*, 21(II): 197 (1990)—Venezuela.

**ESCOBARIA** (Cactac.).

- chaffeyi  
*f. viridiflora* (Frič) Riha in *Kaktusy*, 22(2): 25–27 (1986); cf. *Repert. Pl. Succ. (I.O.S.)*, 37: 4 (1986 publ. 1988): Fobea viridiflora.  
guadalupensis S. Brack & K.D. Heil in *Cact. Succ. J. (U.S.A.)*, 58(4): 165 (1986)—U.S.A. (Texas).  
macdougallii (Alexander) V. John & J. Riha in *Kaktusy (Brno)*, 17(2): 43 (1981), without basionym ref.: Ortegocactus macdougallii.  
tuberculosa  
*var. varicolor* (Tiegel) S. Brack & K.D. Heil in *Cact. Succ. J. (U.S.A.)*, 60(1): 17 (1988): Coryphantha varicolor.

**ESPOSTOA** (Cactac.).

- frutescens J.E. Madsen in *Fl. Ecuador*, 35(45): 36 (1989)—Ecuador.

**×ESPOSTOACTUS** R. Mottram, *Contrib. New Class. Cact. Fam.*: 38 (1990). CACTACEAE. (Cleistocactus × Espostoa).**ETHULIA** (Compos.).

- acuminata M.G. Gilbert in *Kew Bull.*, 43(2): 179 (1988)—Tanzania.  
bicostata M.G. Gilbert in *Kew Bull.*, 43(2): 181 (1988)—Kenya.  
*subsp. meruensis* M.G. Gilbert in *Kew Bull.*, 43(2): 183 (1988)—Tanzania.  
burundiensis M.G. Gilbert & C. Jeffrey in *Kew Bull.*, 43(2): 177 (1988)—Burundi, Rwanda.  
conyzoides  
*subsp. kraussii* (Walp.) M.G. Gilbert & C. Jeffrey in *Kew Bull.*, 43(2): 173 (1988): E. kraussii.  
faulknerae C. Jeffrey in *Kew Bull.*, 43(2): 180 (1988)—Zanzibar, Kenya.  
greenwayi M.G. Gilbert in *Kew Bull.*, 43(2): 184 (1988)—Tanzania.  
luzonica M.G. Gilbert in *Kew Bull.*, 43(2): 189 (1988)—Philippine Is.  
ngorongoroensis M.G. Gilbert in *Kew Bull.*, 43(2): 184 (1988)—Tanzania.  
pauciflora M.G. Gilbert in *Kew Bull.*, 43(2): 181 (1988)—Tanzania, Mozambique.  
rhizomata M.G. Gilbert in *Kew Bull.*, 43(2): 175 (1988)—Zambia, Zaïre, Tanzania, Angola, Malawi.

**ETHULIA** :-

- ruhudiensis *M.G. Gilbert in Kew Bull.*, 43(2): 188 (1988)—Tanzania.  
 vernonioides (*Schweinf.*) *M.G. Gilbert in Kew Bull.*, 43(2): 187 (1988): *Hoehnelia vernonioides*.  
 subsp. mufindiensis *M.G. Gilbert in Kew Bull.*, 43(2): 188 (1988)—Tanzania, Mozambique.

**ETLINGERA** (Zingiberac.).

- angustifolia (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Geanthus angustifolius*.  
 araneosa (*Bak.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Amomum araneosum*.  
 australasica (*R.M. Smith*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Achasma australasica*.  
 brachychila (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Hornstedtia brachychila*.  
 brevibrabris (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Achasma brevibrabrum*.  
 bromeliopsis (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 243 (1986): *Geanthus bromeliopsis*.  
 calycina (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Geanthus calycinus*.  
 caudiculata (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Phaeomeria caudiculata*.  
 cevuga (*Seem.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Amomum cevuga*.  
 dekockii (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Geanthus dekockii*.  
 densiuscula (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Geanthus densiusculus*.  
 diepenhorstii (*Teysm. & Binn.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Elettaria diepenhorstii*.  
 elatior (*Jack*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 244 (1986): *Alpinia elatior*.  
 fimbriobraceata (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Amomum fimbriobraceatum*.  
 foetens (*Bl.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Elettaria foetens*.  
 goliathensis (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Geanthus goliathensis*.  
 gracilis (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Nicolaia gracilis*.  
 grandiflora (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Geanthus grandiflorus*.  
 grandiligulata (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Amomum grandiligulatum*.  
 harmandii (*Gagnep.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Amomum harmandii*.  
 hemisphaerica (*Bl.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 245 (1986): *Elettaria hemisphaerica*.  
 heyneana (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 246 (1986): *Nicolaia heyneana*.  
 labellosa (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 246 (1986): *Amomum labellosum*.  
 latifolia (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 246 (1986): *Geanthus latifolius*.  
 linguiformis (*Roxb.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 246 (1986): *Alpinia linguiforme*.  
 longipetala (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Geanthus longipetalus*.  
 longipetiolata (*Burt & Smith*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Geanthus longipetiolatus*.  
 loroglossa (*Gagnep.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Amomum loroglossum*.  
 lorzingii (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Nicolaia lorzingii*.

**ETLINGERA** :-

- maingayi (*Bak.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Amomum maingayi*.  
 metriocheilos (*Griff.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Achasma metriocheilos*.  
 minor (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 247 (1986): *Phaeomeria minor*.  
 moluccana (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Phaeomeria moluccana*.  
 muluensis *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(3): 455 (1986)—Borneo (Sarawak).  
 nasuta (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Amomum nasutum*.  
 var. reticulata *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(3): 446 (1986)—Borneo (Sarawak).  
 parva (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Geanthus parvus*.  
 pauciflora (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Hornstedtia pauciflora*.  
 pavieana (*Pierre ex Gagnep.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Amomum pavieanum*.  
 peekelii (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Nicolaia peekelii*.  
 philippinensis (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Hornstedtia philippinensis*.  
 polyantha (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Geanthus polyanthus*.  
 pubescens (*Burt & Smith*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 248 (1986): *Geanthus pubescens*.  
 punicea (*Roxb.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 249 (1986): *Alpinia punicea*.  
 pyramidosphaera (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 249 (1986): *Phaeomeria pyramidosphaera*.  
 rosea *B.L. Burt & R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 240 (1986), nom. nov.: *Amomum roseum* *K. Schum.*  
 sanguinea (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 249 (1986): *Hornstedtia sanguinea*.  
 sericea (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 249 (1986): *Nicolaia sericea*.  
 sessilanthra *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 240 (1986)—Borneo (Sarawak).  
 solaris (*Bl.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 249 (1986): *Elettaria solaris*.  
 subterranea (*Holt.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Achasma subterraneum*.  
 subulicalyx (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Nicolaia subulicalyx*.  
 sulphurea (*R.N. Parker*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Hornstedtia sulphurea*.  
 triorgyalis (*Bak.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Amomum triorgyale*.  
 velutina (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Hornstedtia velutina*.  
 venusta (*Ridley*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Hornstedtia venusta*.  
 versteegii (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Geanthus versteegii*.  
 vestita (*Val.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 250 (1986): *Geanthus vestitus*.  
 walang (*Bl.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 251 (1986): *Donacodes walang*.  
 xanthoparyphe (*K. Schum.*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 251 (1986): *Amomum xanthoparyphe*.  
 yunnanensis (*Wu & Senjen*) *R.M. Smith in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 251 (1986): *Achasma yunnanensis*.

**EUBRACHION** (Eremolepidac.).

- gracile *J. Kuijt, Monogr. Eremolepidac. (Syst. Bot. Monog., 18): 46 (1988)*—Venezuela.

**EUCALYPTUS** (Myrtac.).

- ser. Accedentes *G.M. Chippendale in Fl. Australia*, 19: 495 (1988).  
 ser. Annulares (*Blakely*) *G.M. Chippendale in Fl. Australia*, 19: 495 (1988): E. subser. Annulares.  
 ser. Bakerianae *G.M. Chippendale in Fl. Australia*, 19: 496 (1988).  
 ser. Brockwayanae *G.M. Chippendale in Fl. Australia*, 19: 496 (1988).  
 ser. Cambageanae *G.M. Chippendale in Fl. Australia*, 19: 496 (1988).  
 ser. Curtisianae *G.M. Chippendale in Fl. Australia*, 19: 497 (1988).  
 ser. Dawsonianae *G.M. Chippendale in Fl. Australia*, 19: 497 (1988).  
 ser. Dundasianae *G.M. Chippendale in Fl. Australia*, 19: 497 (1988).  
 ser. Ebbanoenses *G.M. Chippendale in Fl. Australia*, 19: 497 (1988).  
 ser. Howittianae *G.M. Chippendale in Fl. Australia*, 19: 498 (1988).  
 ser. Inclusae (*Benth.*) *G.M. Chippendale in Fl. Australia*, 19: 499 (1988): E. subser. Inclusae.  
 ser. Insulares *G.M. Chippendale in Fl. Australia*, 19: 499 (1988).  
 ser. Jacobsonianae *G.M. Chippendale in Fl. Australia*, 19: 499 (1988).  
 ser. Johnsonianae *G.M. Chippendale in Fl. Australia*, 19: 499 (1988).  
 ser. Jucundae *G.M. Chippendale in Fl. Australia*, 19: 499 (1988).  
 ser. Kruseanae *G.M. Chippendale in Fl. Australia*, 19: 500 (1988).  
 ser. Leptospermae (*Blakely*) *G.M. Chippendale in Fl. Australia*, 19: 500 (1988): E. subser. Leptospermae.  
 ser. Loxophlebae *G.M. Chippendale in Fl. Australia*, 19: 500 (1988).  
 ser. Lucasianae *G.M. Chippendale in Fl. Australia*, 19: 500 (1988).  
 ser. Maculatae (*Blakely*) *G.M. Chippendale in Fl. Australia*, 19: 500 (1988): E. subser. Maculatae.  
 ser. Meglanthae (*Blakely*) *G.M. Chippendale in Fl. Australia*, 19: 501 (1988): E. subser. Meglanthae.  
 ser. Merrickianae *G.M. Chippendale in Fl. Australia*, 19: 501 (1988).  
 ser. Michaelianae *G.M. Chippendale in Fl. Australia*, 19: 501 (1988).  
 ser. Moluccanae *G.M. Chippendale in Fl. Australia*, 19: 501 (1988).  
 ser. Odontocarpae *G.M. Chippendale in Fl. Australia*, 19: 502 (1988).  
 ser. Olsenianae *G.M. Chippendale in Fl. Australia*, 19: 502 (1988).  
 ser. Planchonianae *G.M. Chippendale in Fl. Australia*, 19: 503 (1988), nom. nov.: E. subser. Costatae *Blakely*.  
 ser. Porantheroideae (*Maiden*) *G.M. Chippendale in Fl. Australia*, 19: 503 (1988): E. sect. Porantheroideae.  
 ser. Pumilae *G.M. Chippendale in Fl. Australia*, 19: 503 (1988).  
 ser. Radiatae *G.M. Chippendale in Fl. Australia*, 19: 504 (1988).  
 ser. Regnantes *G.M. Chippendale in Fl. Australia*, 19: 504 (1988).  
 ser. Rhodoxyla (*Blakely*) *G.M. Chippendale in Fl. Australia*, 19: 504 (1988): E. subser. Rhodoxyla.  
 ser. Rigentes *M.I.H. Brooker & S.D. Hopper in Nuytsia*, 7(1): 7 (1989).  
 ser. Rubiginosae *G.M. Chippendale in Fl. Australia*, 19: 504 (1988).  
 ser. Rummeryanae *G.M. Chippendale in Fl. Australia*, 19: 504 (1988).  
 ser. Salmonophloeae *G.M. Chippendale in Fl. Australia*, 19: 505 (1988).  
 ser. Squamosae *G.M. Chippendale in Fl. Australia*, 19: 505 (1988).  
 ser. Subereae *G.M. Chippendale in Fl. Australia*, 19: 506 (1988).  
 ser. Tetrodontae *G.M. Chippendale in Fl. Australia*, 19: 506 (1988).  
 ser. Torellianae *G.M. Chippendale in Fl. Australia*, 19: 506 (1988).  
 ser. Torquatae *G.M. Chippendale in Fl. Australia*, 19: 506 (1988).  
 ser. Trachyploiae *G.M. Chippendale in Fl. Australia*, 19: 507 (1988).



**EUCALYPTUS :-**

- alaticaulis* R.J. Watson & P.Y. Ladiges in *Brunonia*, 10(2): 175 (1987)—Australia (Victoria).
- amplifolia*
- subsp. sessiliflora* (Blakely) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 52 (1990): *E. amplifolia* var. *sessiliflora*.
- ancophila* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 82 (1990)—Australia (New South Wales).
- apothalassica* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 84 (1990)—Australia (Queensland, New South Wales).
- aquatica* (Blakely) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 56 (1990): *E. ovata* var. *aquatica*.
- arenacea* J.C. Marginson & P.Y. Ladiges in *Austral. Syst. Bot.*, 1(2): 163 (1988)—Australia (Victoria, S. Australia).
- bensonii* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 91 (1990)—Australia (New South Wales).
- beyeriana* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 83 (1990)—Australia (New South Wales).
- biturbinata* L.A.S. Johnson & K.D. Hill in *Fl. Australia*, 19: 507, 204 (1988)—Australia (New South Wales, Queensland).
- blackwelliana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 162 (1987)—Australia (W. Australia).
- brachycarpa* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 223 (1987)—Australia (Queensland, New South Wales).
- brevipes* M.I.H. Brooker in *Nuytsia*, 5(3): 365 (1986)—Australia (W. Australia).
- brunnea* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 40 (1990)—Australia (New South Wales, Queensland).
- bynoeana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 266 (1987)—Australia (W. Australia).
- byrnesii* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 159 (1987)—Australia (W. Australia).
- cadens* J.D. Briggs & M.D. Crisp in *Muellera*, 7(1): 7 (1989)—Australia (Victoria).
- camphora*
- subsp. humeana* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 55 (1990)—Australia (New South Wales, Victoria).
- subsp. relicta* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 54 (1990)—Australia (Queensland, New South Wales).
- celastroides*
- subsp. virella* M.I.H. Brooker in *Nuytsia*, 5(3): 359 (1986)—Australia (W. Australia).
- ceracea* M.I.H. Brooker & C.C. Done in *Nuytsia*, 5(3): 382 (1986)—Australia (W. Australia).
- ceratocorys* (Blakely) L.A.S. Johnson & K.D. Hill in *Fl. Australia*, 19: 508 (1988): *E. angulosa* var. *ceratocorys*.
- chloroclada* (Blakely) L.A.S. Johnson & K.D. Hill in *Fl. Australia*, 19: 508 (1988): *E. dealbata* var. *chloroclada*.
- chlorophylla* M.I.H. Brooker & C.C. Done in *Nuytsia*, 5(3): 389 (1986)—Australia (W. Australia).
- clarksoniana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 209 (1987)—Australia (Queensland).
- conjuncta* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 93 (1990)—Australia (New South Wales).
- coolabah*
- subsp. arida* (Blakely) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 66 (1990): *E. coolabah* var. *arida*.
- subsp. excerata* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 66 (1990)—Australia (Queensland, New South Wales).
- cretata* P.J. Lang & M.I.H. Brooker in *J. Adelaide Bot. Gard.*, 13: 71 (1990)—Australia (S. Australia).
- croajingolensis* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 99 (1990)—Australia (Victoria, New South Wales).
- curtipes* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 149 (1987)—Australia (N. Terr., Queensland).
- dampieri* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 260 (1987)—Australia (W. Australia).
- darwinensis* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 131 (1987)—Australia (N. Terr., W. Australia).

**EUCALYPTUS :-**

- decolor* A.R. Bean & M.I.H. Brooker in *Austrobaileya*, 3(1): 41 (1989)—Australia (Queensland).
- delegatensis*
- subsp. tasmaniensis* D.J. Boland in *Austral. Forest Res.*, 15(2): 177 (1985)—Tasmania.
- derbyensis* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 189 (1987)—Australia (W. Australia).
- deserticola* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 311 (1987), nom. nov., without replaced synonym ref.; *et in Fl. Australia*, 19: 495 (1988), with replaced synonym ref.: *E. desertorum* D.J. Carr & S.G.M. Carr.
- deuaensis* D.J. Boland & P.M. Gilmour in *Brunonia*, 9(1): 105 (1987)—Australia (New South Wales).
- dissimulata* M.I.H. Brooker in *Nuytsia*, 6(3): 332 (1988)—Australia (W. Australia).
- dolichocarpa* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 216 (1987)—Australia (Queensland).
- dorrigoensis* (Blakely) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 63 (1990): *E. benthamii* var. *dorrigoensis*.
- durackiana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 168 (1987)—Australia (W. Australia, N. Terr.).
- elaephloia* J.A. Chappill, M.D. Crisp & S.M. Prober in *Austral. Syst. Bot.*, 3(2): 275 (1990)—Australia (Victoria).
- ellipsoidea* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 299 (1987)—Australia (Queensland).
- elliptica* (Blakely & McKie) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 60 (1990): *E. mannifera* var. *elliptica*.
- erectifolia* M.I.H. Brooker & S.D. Hopper in *Nuytsia*, 5(3): 351 (1986)—Australia (W. Australia).
- erubescens* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 184 (1987)—Australia (N. Terr.).
- exilipes* M.I.H. Brooker & A.R. Bean in *Brunonia*, 10(2): 189 (1987)—Australia (Queensland).
- famelica* M.I.H. Brooker & S.D. Hopper in *Nuytsia*, 7(1): 12 (1989)—Australia (W. Australia).
- fergusonii*
- subsp. dorsiventralis* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 80 (1990)—Australia (New South Wales).
- ferriticola* M.I.H. Brooker & W.B. Edgecombe in *Nuytsia*, 5(3): 373 (1986)—Australia (W. Australia).
- fusiformis* D.J. Boland & D.A. Kleinig in *Brunonia*, 10(2): 202 (1987)—Australia (New South Wales).
- greeniana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 123 (1987)—Australia (W. Australia, N. Terr., Queensland).
- hamersleyana* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 256 (1987)—Australia (W. Australia).
- hesperis* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 253 (1987)—Australia (W. Australia).
- horistes* L.A.S. Johnson & K.D. Hill in *Fl. Australia*, 19: 509, 254 (1988)—Australia (W. Australia).
- hylandii* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 199 (1987)—Australia (Queensland).
- var. campestris* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 203 (1987)—Australia (Queensland).
- hypochlamydea* M.I.H. Brooker in *Nuytsia*, 6(3): 328 (1988)—Australia (W. Australia).
- hypostomatica* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 72 (1990)—Australia (New South Wales).
- infera* A.R. Bean in *Austrobaileya*, 3(2): 291 (1990)—Australia (Queensland).
- interstans* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 47 (1990)—Australia (New South Wales, Queensland).
- kakadu* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 138 (1987)—Australia (N. Terr., W. Australia).

**EUCALYPTUS :-**

- kochii*
- subsp. plenissima* (Gardner) M.I.H. Brooker in *Austral. J. Bot.*, 36(2): 129 (1988): *E. oleosa* var. *plenissima*.
- kumarlensis* M.I.H. Brooker in *Nuytsia*, 6(3): 333 (1988)—Australia (W. Australia).
- lamprophylla* M.I.H. Brooker & A.R. Bean in *Brunonia*, 10(2): 195 (1987)—Australia (Queensland).
- latens* M.I.H. Brooker in *Nuytsia*, 6(3): 332 (1988)—Australia (W. Australia).
- lateritica* M.I.H. Brooker & S.D. Hopper in *Nuytsia*, 5(3): 346 (1986)—Australia (W. Australia).
- latiuscula* (Blakely) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 102 (1990): *E. moorei* var. *latiuscula*.
- litorea* M.I.H. Brooker & S.D. Hopper in *Nuytsia*, 7(1): 10 (1989)—Australia (W. Australia).
- longirostrata* (Blakely) L.A.S. Johnson & K.D. Hill in *Fl. Australia*, 19: 509 (1988): *E. punctata* var. *longirostrata*.
- magnificata* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 72 (1990)—Australia (New South Wales, Queensland).
- nandewarica* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 52 (1990)—Australia (New South Wales).
- nobilis* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 59 (1990)—Australia (New South Wales, Queensland).
- novoguineensis* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 192 (1987)—New Guinea (Papua New Guinea), Australia (Queensland).
- olida* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 103 (1990)—Australia (New South Wales).
- oocarpa* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 277 (1987)—Australia (N. Terr.).
- ophitica* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 67 (1990)—Australia (New South Wales).
- paniculata*
- subsp. matutina* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 77 (1990)—Australia (New South Wales).
- perangusta* M.I.H. Brooker in *Nuytsia*, 6(3): 330 (1988)—Australia (W. Australia).
- percostata* M.I.H. Brooker & P.J. Lang in *J. Adelaide Bot. Gard.*, 13: 65 (1990)—Australia (S. Australia).
- pilbarensis* M.I.H. Brooker & W.B. Edgecombe in *Nuytsia*, 5(3): 376 (1986)—Australia (W. Australia).
- placita* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 80 (1990)—Australia (New South Wales).
- pocillum* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 293 (1987)—Australia (Queensland).
- polyanthemos*
- subsp. vestita* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 75 (1990)—Australia (Victoria, New South Wales).
- populnea*
- subsp. bimbil* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 71 (1990)—Australia (New South Wales, Queensland).
- prava* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 48 (1990)—Australia (New South Wales, Queensland).
- psammitica* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 85 (1990)—Australia (New South Wales).
- ptercarpa* C. Gardner ex P.J. Lang in *Fl. Australia*, 19: 510, 293 (1988)—Australia (W. Australia).
- radiata*
- subsp. sejuncta* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 98 (1990), nom. nov.: *E. radiata* var. *subplatyphylla* Blakely.
- recurva* M.D. Crisp in *Telopea*, 3(2): 223 (1988)—Australia (New South Wales).
- resinifera*
- subsp. hemilampra* (F. Muell.) L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 46 (1990): *E. hemilampra*.
- retinens* L.A.S. Johnson & K.D. Hill in *Telopea*, 4(1): 56 (1990)—Australia (New South Wales).
- rhodops* D.J. Carr & S.G.M. Carr, *Eucalyptus II, rubber cuticle & other studies Corymbosae*: 283 (1987)—Australia (Queensland).
- rigens* M.I.H. Brooker & S.D. Hopper in *Nuytsia*, 7(1): 8 (1989)—Australia (W. Australia).



**EUONYMUS** (Celastrac.).

- fertilis*  
*var. euryanthus* (Hand.-Mazz.) C.Y. Chang in *Fl. Sichuanica*, 4: 261 (1988); *E. dielsianus* var. *euryanthus*.  
*fortunei*  
*f. albifructus* G. Murata in *Acta Phytotax. Geobot.*, 39(4-6): 149 (1988)—Japan.  
*hamiltonianus*  
*var. pubinervius* S.Z. Qu & Y.H. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 92 (1988)—China.  
*hernandezii* C.L. Lundell in *Phytologia*, 63(2): 73 (1987)—Mexico.  
*jinggangshanensis* M.X. Nie in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 25 (1990)—China.  
*lipoensis* Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(2): 44 (1987)—China.  
*maackii*  
*f. salicifolia* T. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 159 (1986)—China.  
*occidentalis*  
*subsp. parishii* (Trelease) R.M. Beauchamp in *Phytologia*, 59(7): 438 (1986); *E. parishii*.  
*pashanensis* S.Z. Qu & Y.H. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 95 (1988)—China.  
*porphyreus*  
*var. angustifolius* L.C. Wang & X.G. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 45 (1990)—China.  
*sanguineus*  
*var. lanceolatus* S.Z. Qu & Y.H. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 95 (1988)—China.  
*tobira* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 238 (1784)—Japan.†  
*verrucosoides*  
*var. apertus* (Loes.) C.Y. Wu in *Fl. Xizangica*, 3: 121 (1986), without basionym ref.: *E. striatus* var. *apertus*.

**EUPATORIUM** (Compos.).

- chlorostylum* B.L. Turner in *Phytologia*, 59(5): 323 (1986)—Mexico.  
*corvi* (McVaugh) B.L. Turner in *Phytologia*, 67(4): 337 (1989): *Eupatorium corvi*.

**EUPATORIUM** (Compos.).

- breedlovei* (King & H. Rob.) B.L. Turner in *Phytologia*, 64(1): 13 (1987): *Chromolaena breedlovei*.  
*breedlovei* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(2): 112 (1989) later homonym of B.L. Turner 1987: *Bartlettina breedlovei*.  
*calderonii* B.L. Turner in *Phytologia*, 67(2): 111 (1989)—Mexico.  
*cronquistii* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(2): 112 (1989): *Bartlettina cronquistii*.  
*cymuliferum* (B.L. Robins.) B.L. Turner in *Phytologia*, 67(4): 337 (1989): *Brickellia cymulifera*.  
*dibollii* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(4): 338 (1989): *Kyrsteniopsis dibollii*.  
*enigmaticum* B.L. Turner in *Phytologia*, 67(4): 337 (1989), nom. nov.: *Fleischmannia guatemalensis* King & H. Robins.  
*guerreroanum* (B. Turner) B.L. Turner in *Phytologia*, 68(3): 167 (1990): *Koanophyllon guerreroana*.  
*heathiae* B.L. Turner in *Phytologia*, 69(2): 122 (1990)—Mexico.  
*hintonii* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(2): 112 (1989): *Bartlettina hintonii*.  
*japonicum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 737 (1784)—Japan.†  
*lundellii* (King & H. Rob.) B.L. Turner in *Phytologia*, 64(1): 13 (1987): *Chromolaena lundellii*.  
*macdougallii* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(2): 112 (1989): *Bartlettina macdougallii*.  
*maculatum*  
*subsp. bruneri* (Gray) G.W. Douglas in *Canad. J. Bot.*, 64(11): 2726 (1986); *E. bruneri*.  
*matudae* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(4): 338 (1989): *Fleischmannia matudae*.  
*parviflorum*  
*var. monticola* A.T. Whitemore in *Sida*, 13(1): 78 (1988)—Jamaica.

**EUPATORIUM** :-

- ravenii* (King & H. Robins.) B.L. Turner in *Phytologia*, 67(4): 338 (1989): *Koanophyllon ravenii*.  
*reyrobinsonii* (B. Turner) B.L. Turner in *Phytologia*, 67(4): 338 (1989): *Koanophyllon reyrobinsonii*.  
*richardsonii* (B. Turner) B.L. Turner in *Phytologia*, 67(4): 338 (1989): *Koanophyllon richardsonii*.  
*rzadowskii* (B. Turner) B.L. Turner in *Phytologia*, 68(3): 167 (1990): *Koanophyllon rzadowskii*.  
*siltepecanum* B.L. Turner in *Phytologia*, 69(2): 123 (1990)—Mexico.  
*surutatoanum* B.L. Turner in *Phytologia*, 68(3): 167 (1990), nom. nov.: *Koanophyllon sinaloensis* B. Turner.  
*tamaulipasense* (King & H. Rob.) B.L. Turner in *Phytologia*, 64(1): 13 (1987): *Viereckia tamaulipasensis*.  
*tanacetifolium*  
*f. albiiflorum* N.I. Matzenbacher in *Comun. Mus. Cienc. PUCRGS Sér. Bot.*, 30-39: 118 (1985), without holotype—Brazil.  
*tenejapanum* B.L. Turner in *Phytologia*, 68(3): 167 (1990), nom. nov.: *Bartlettina breedlovei* King & H. Robins.  
*yashanalense* A.T. Whitemore in *Sida*, 13(1): 77 (1988)—Mexico.  
*zacuapanum* B.L. Turner in *Phytologia*, 67(4): 337 (1989), nom. nov.: *Fleischmannia purpusii* King & H. Robins.

**EUPHORBIA** (Euphorbiac.).

- subgen. Lacanthis* (Rafinesque) M.G. Gilbert in *Kew Bull.*, 42(1): 238 (1987): gen. *Lacanthis*.  
*ser. Lutescentes* (Prokh.) A. Radcliffe-Smith in *Kew Mag.*, 4(3): 113 (1987): *E. subsect. Lutescentes*.  
*ser. Petrophilae* M.V. Klokov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 98 (1976 publ. 1977).  
*ser. Purpuratae* (Prokh.) A. Radcliffe-Smith in *Kew Mag.*, 4(3): 113 (1987): *E. subsect. Purpuratae*.  
*ser. Stepposae* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 104 (1976 publ. 1977).  
*aaron-rossii* A.H. Holmgren & N.H. Holmgren in *Brittonia*, 40(4): 357 (1988)—U.S.A. (Arizona).  
*adenochila* S. Carter in *Kew Bull.*, 45(4): 656 (1990)—Somali Republic.  
*adenoptera*  
*subsp. gundlachii* (Urban) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *E. gundlachii*.  
*subsp. pergamenta* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *E. pergamenta*.  
*alainii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989), nom. nov.: *Chamaesyce montana* Alain.  
*alfredii* W. Rauh in *Cact. Succ. J. (U.S.A.)*, 59(5): 209 (1987)—Madagascar.  
*amandi* R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989), nom. nov.: *E. minuta* R.A. Philippi.  
*ambovombensis* W. Rauh & A. Razafindratsira in *Cact. Succ. J. (U.S.A.)*, 59(6): 251 (1987)—Madagascar.  
*amygdaloides*  
*subsp. heldreichii* (Orph. ex Boiss.) B. Aldén in *A. Strid* (ed.), *Mount. Fl. Greece*, 1: 575 (1986): *E. heldreichii*.  
*subsp. robbiae* (Turrill) C.A. Stace in *Watsonia*, 17(4): 443 (1989): *E. robbiae*.  
*anthula* G. Lavrentiades & K. Papanicolaou in *Sci. Ann. Fac. Phys. Math. Austroliani Univ. Thessaloniki*, 18(1): 120 (1978)—Greece.  
*antonii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989), nom. nov.: *E. lanceolata* D.A. Larranaga.  
*apparicana* C.T. Rizzini in *Rev. Brasil. Biol.*, 49(4): 992 (1989 publ. 1990)—Brazil.  
*appendiculata* Bally & S. Carter in *Euphorbia J.*, 5: 36 (1988)—Somali Republic.  
*atroflora* S. Carter in *Kew Bull.*, 42(2): 393 (1987)—Kenya.  
*atropurpurea*  
*f. lutea* A. Santos in *Bot. Macaronésica*, 16: 32 (1988)—Canary Is.  
*attastoma* C.T. Rizzini in *Rev. Brasil. Biol.*, 49(4): 987 (1989 publ. 1990)—Brazil.  
*var. xanthochlora* C.T. Rizzini in *Rev. Brasil. Biol.*, 49(4): 992 (1989 publ. 1990)—Brazil.  
*baga*  
*var. parvifolia* L.E. Newton in *Bot. J. Linn. Soc.*, 94(+): 464 (1987)—Ghana.

**EUPHORBIA** :-

- barnesii* (Millsbaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *Adenopetalum barnesii*.  
*bayeri* L.C. Leach in *S. Afr. J. Bot.*, 54(6): 539 (1988)—South Africa (Cape Province).  
*begoniifolia* Lehm., *Sem. Hort. Bot. Hamb.*, 1823: 8 (1824); *Linnaea* 3, Lit.: 9 (1828); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.  
*betulicortex* M.G. Gilbert in *Kew Bull.*, 45(2): 272 (1990)—Ethiopia.  
*biharamulensis* S. Carter in *Kew Bull.*, 42(3): 675 (1987)—Tanzania.  
*blatterii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989), nom. nov.: *E. helioscopioides* E. Blatter.  
*borenensis* M.G. Gilbert in *Kew Bull.*, 42(2): 391 (1987)—Ethiopia, Kenya.  
*breviarticulata*  
*var. trunciformis* S. Carter in *Kew Bull.*, 42(3): 676 (1987)—Kenya, Ethiopia.  
*bruntii* (Proctor) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *Chamaesyce bruntii*.  
*bussei*  
*var. kibwezensis* (N.E. Br.) S. Carter in *Kew Bull.*, 42(3): 678 (1987): *E. kibwezensis*.  
*bwambensis* S. Carter in *Kew Bull.*, 42(3): 681 (1987)—Uganda.  
*caespitosa*  
*var. ventanica* (Croizat) R. Subils in *Kurtziana*, 10: 209 (1977): *E. caespitosa* subsp. *ventanica*.  
*candelabrum*  
*var. bilocularis* (N.E. Br.) S. Carter in *Kew Bull.*, 42(3): 681 (1987): *E. bilocularis*.  
*carinata* (Haw.) Salm-Dyck, *Index Pl. Succ. Hort. Dyck.*: 24 (1822); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.  
*carinulata* Bally & S. Carter in *Euphorbia J.*, 5: 36 (1988)—Somali Republic.  
*catamarcensis* (Croizat) R. Subils in *Kurtziana*, 10: 150 (1977): *Chamaesyce catamarcensis*.  
*catractarum* S. Carter in *Kew Bull.*, 42(2): 379 (1987)—Tanzania, Zambia.  
*caucasica* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 96 (1976 publ. 1977)—U.S.S.R. (Caucasus).  
*celastroides*  
*var. arenisaxosa* H. St. John in *Phytologia*, 63(6): 466 (1987)—Hawaiian Is.  
*var. limahuliensis* H. St. John in *Phytologia*, 64(6): 487 (1988)—Hawaiian Is.  
*var. tomentella* (Boissier) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *E. multiformis* var. *tomentella*.  
*chapmanii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989), nom. nov.: *E. nudicaulis* A.W. Chapman.  
*chiogenes* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *Chamaesyce chiogenes*.  
*citrina* S. Carter in *Kew Bull.*, 45(2): 331 (1990)—Zimbabwe, Mozambique.  
*collina*  
*var. andina* (Phil.) R. Subils in *Kurtziana*, 10: 214 (1977): *E. andina*.  
*var. chrysophylla* (Klotzsch & Garcke) R. Subils in *Kurtziana*, 10: 215 (1977): *Tithymalus chrysophyllus*.  
*var. glaucescens* (Chod. & Wilczek) R. Subils in *Kurtziana*, 10: 217 (1977): *E. portulacoides* var. *glaucescens*.  
*var. minor* (Hicken) R. Subils in *Kurtziana*, 10: 218 (1977): *E. portulacoides* var. *minor*.  
*var. nahuelhuapina* (Croizat) R. Subils in *Kurtziana*, 10: 219 (1977): *E. portulacoides* subsp. *nahuelhuapina*.  
*var. patagonica* (Hieron.) R. Subils in *Kurtziana*, 10: 219 (1977): *E. patagonica*.  
*var. spatulata* (Chod. & Wilcz.) R. Subils in *Kurtziana*, 10: 220 (1977): *E. portulacoides* var. *spatulata*.  
*conferta* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 44 (1989): *Chamaesyce conferta*.  
*cordatella* R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: *E. cordata* D.A. Larranaga.  
*cowellii* (Millsbaugh ex Britton) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): *Chamaesyce cowellii*.  
*crebrifolia* S. Carter in *Kew Bull.*, 45(2): 334 (1990)—Zimbabwe, Mozambique.

**EUPHORBIA :-**

- cryptocaulis M.G. Gilbert in *Kew Bull.*, 42(1): 231 (1987)—Ethiopia.
- cumulicola (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): Chamaesyce cumulicola.
- cupripina S. Carter in *Kew Bull.*, 42(2): 378 (1987)—Kenya.
- dalettiensis M.G. Gilbert in *Kew Bull.*, 42(2): 391 (1987)—Ethiopia.
- damasoi R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: E. ovata D.A. Larranaga.
- dauana S. Carter in *Kew Bull.*, 42(2): 376 (1987)—Kenya.
- davidii R. Subils in *Kurtziana*, 17: 125 (1984)—Argentina.
- decaryi  
var. spirosticha W. Rauh & G. Buchloh in *Cact. Suc. J. (U.S.A.)*, 59(1): 9 (1987)—Madagascar.
- delicatissima S. Carter in *Kew Bull.*, 45(2): 328 (1990)—Zimbabwe.
- deltoida  
var. adhaerens (Small) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): Chamaesyce adhaerens.
- var. serpyllum (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): Chamaesyce serpyllum.
- denisii R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: E. obcordata M. Denis.
- depauperata  
var. tsetserrensis S. Carter in *Kew Bull.*, 45(2): 336 (1990)—Zimbabwe, Mozambique.
- discrepans S. Carter in *Kew Bull.*, 42(2): 380 (1987)—Tanzania.
- doloensis M.G. Gilbert in *Kew Bull.*, 45(2): 271 (1990)—Ethiopia.
- donii R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: E. longifolia D. Don.
- dubovikii R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: E. pinetorum Dubovik.
- ducke (Croizat) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): Chamaesyce duckeri.
- ephedroides  
var. debilis L.C. Leach in *S. Afr. J. Bot.*, 56(1): 73 (1990)—Namibia.
- var. imminuta L.C. Leach & G. Williamson in *S. Afr. J. Bot.*, 56(1): 72 (1990)—South Africa (Cape Province).
- epilobiifolia W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 46 (1988)—China.
- exilis L.C. Leach in *S. Afr. J. Bot.*, 56(1): 76 (1990)—South Africa (Cape Province).
- exilispina S. Carter in *Kew Bull.*, 42(2): 382 (1987)—Tanzania.
- fissispina Bally & S. Carter in *Kew Bull.*, 42(2): 375 (1987)—Ethiopia.
- furcatifolia M.G. Gilbert in *Kew Bull.*, 45(2): 266 (1990)—Ethiopia.
- gentilis  
subsp. tanquana L.C. Leach in *S. Afr. J. Bot.*, 54(6): 538 (1988)—South Africa (Cape Province).
- georgei R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989), nom. nov.: E. acuta G. Engelmann.
- glandularis L.C. Leach & G. Williamson in *S. Afr. J. Bot.*, 56(1): 75 (1990)—South Africa (Cape Province).
- globulicaulis S. Carter in *Kew Bull.*, 45(4): 655 (1990)—Somali Republic.
- graminifolia  
subsp. tommasiniana (Bertoloni) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): E. tommasiniana.
- subsp. zhiguliensis (Prokhanov) R.C.H.M. Oudejans in *Phytologia*, 67(1): 45 (1989): Galarhoeus zhiguliensis.
- greenwayi  
subsp. breviaculeata S. Carter in *Kew Bull.*, 42(2): 381 (1987)—Tanzania.
- griffithii  
var. bhutanica (Fischer) D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 167 (1986): E. sikkimensis subsp. bhutanica.
- hamiltonii R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. angustifolia Hamilton ex D. Don.
- heishuiensis W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 42 (1988)—China.

**EUPHORBIA :-**

- helioscopia  
subsp. hiemalis A.P. Khokhryakov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(6): 96 (1989)—U.S.S.R. (Caucasus).
- heraldiana (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989): Chamaesyce heraldiana.
- herbstii (Wagner) R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989): Chamaesyce herbstii.
- heterochroma  
subsp. tsavoensis S. Carter in *Kew Bull.*, 42(2): 387 (1987)—Kenya.
- heterospina S. Carter in *Kew Bull.*, 42(2): 389 (1987)—Kenya, Uganda.
- subsp. baringoensis S. Carter in *Kew Bull.*, 42(2): 390 (1987)—Kenya.
- hiernii (Croizat) R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989): Elaeophorbia hiernii.
- hieronymi R. Subils in *Kurtziana*, 10: 221 (1977), nom. nov.: E. dioica Hieronymus.
- hirsuta  
var. leucotricha (Boissier) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): E. leucotricha.
- holochlorina C.T. Rizzini in *Rev. Brasil. Biol.*, 49(4): 983 (1989 publ. 1990)—Brazil.
- humifusa  
f. glabra (Thell.) S.Z. Liou in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1016 (1988): E. humifusa var. glabra.
- f. pilosa (Thell.) S.Z. Liou in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1016 (1988): E. humifusa var. pilosa.
- hurusawae R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. barbellata I. Hurusawa.
- var. imaii (Hurusawa) R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989): E. imaii.
- hypericifolia  
var. coimbatorensis M. Chandrabose in *M. Chandrabose & N.C. Nair, Fl. Coimbatore*: 266 (1988)—India.
- inaequilatera  
var. spanothrix S. Carter in *Kew Bull.*, 42(2): 370 (1987)—Kenya, Tanzania.
- inaguaensis R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. abbreviata D.S. Correll.
- jasiewiczii (Chrtk & Křisa) O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 114 (1975 publ. 1976), without basionym page: Tithymalus jasiewiczii.
- jessonii R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990), nom. nov.: E. sinensis Jesson & Turill.
- josei R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. litoralis M. Sessé & J.M. Mocino.
- kangdingensis W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 43 (1988)—China.
- var. puberula W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 45 (1988)—China.
- kansui Liou ex S.B. Ho in *Fl. Tsinlingensis*, 1(3): 450, 162 (1981)—China.
- karibensis S. Carter in *Kew Bull.*, 45(2): 330 (1990)—Zimbabwe, Zambia.
- kiritensis Bally & S. Carter in *Euphorbia J.*, 5: 35 (1988)—Somali Republic.
- klotzschii R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. ovalifolia (Engelmann ex Klotzsch) Boissier.
- kondoi W. Rauh & Razafindratsira in *Cact. Succ. J. (U.S.A.)*, 61(3): 113 (1989)—Madagascar.
- kotovii M.V. Klovov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 102 (1976 publ. 1977)—U.S.S.R. (Crimea).
- laikipiensis S. Carter in *Kew Bull.*, 42(2): 373 (1987)—Kenya.
- larranagae R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. rupestris D.A. Larranaga.
- leoncroizatii R.C.H.M. Oudejans in *Phytologia*, 67(1): 46 (1989), nom. nov.: E. croizatii (Hurusawa) M. Kitagawa.
- limaensis R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: E. inornata (Dressler) A. Radcliffe-Smith.

**EUPHORBIA :-**

- lumbricalis L.C. Leach in *S. Afr. J. Bot.*, 52(4): 369 (1986)—South Africa (Cape Province).
- luteoviridis D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 163 (1986), as 'luteo-viridis'—Sikkim, Nepal, India, Xizang.
- lutulenta (Croizat) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): Chamaesyce lutulenta.
- magnicapula S. Carter in *Kew Bull.*, 42(3): 678 (1987)—Tanzania, Kenya.
- var. lacertosa S. Carter in *Kew Bull.*, 42(3): 679 (1987)—Kenya, Uganda.
- mairei  
var. luteociliata W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 40 (1988)—China.
- marianoi R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: E. pulchella M. Sessé & J.M. Mocino.
- × martinii  
nothosubsp. cornubiensis (A. Radcliffe-Smith) A. Radcliffe-Smith in *Taxon*, 35(2): 349 (1986): E. × cornubiensis. (E. amygdaloides × characias subsp. wulfenii).
- mazatlamiensis R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: E. triflora M. Sessé & J.M. Mocino.
- micractina  
var. tangutica (Proch.) W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 41 (1988): E. tangutica.
- minima Mart., *Hort. Acad. Erlangen*: 105 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.
- minxianensis W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 43 (1988)—China.
- mira L.C. Leach in *S. Afr. J. Bot.*, 52(1): 10 (1986)—South Africa (Cape Province).
- mocinoi R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: E. peltata M. Sessé & J.M. Mocino.
- monadenioides M.G. Gilbert in *Kew Bull.*, 42(1): 233 (1987)—Ethiopia, Uganda.
- myrsinites  
subsp. rechingeri (Greuter) B. Aldén in *A. Strid (ed.), Mount. Fl. Greece*, 1: 570 (1986): E. rechingeri.
- nicaeensis  
subsp. maleevii (Tamamshtyan) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): E. maleevii.
- nicholasii R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: Elaeophorbia acuta N.E. Brown.
- nogalensis (Hässler) S. Carter in *Euphorbia J.*, 5: 37 (1988): E. somalensis var. nogalensis.
- novorossica O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 111 (1975 publ. 1976)—U.S.S.R. (Caucasus).
- nyassae  
subsp. mentiensi S. Carter in *Kew Bull.*, 42(2): 379 (1987)—Zambia, Tanzania.
- nyikae  
var. neovolkensii (Pax) S. Carter in *Kew Bull.*, 42(3): 677 (1987): E. neovolkensii.
- ocellata  
subsp. arenicola (Parish) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): E. arenicola.
- subsp. rattanii (Watson) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): E. rattanii.
- officinarium  
var. hernandezpachecoi (Caballero) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): E. hernandezpachecoi.
- omariana M.G. Gilbert in *Kew Bull.*, 45(2): 268 (1990)—Ethiopia.
- oranensis (Croizat) R. Subils in *Kurtziana*, 10: 144 (1977): Chamaesyce oranensis.
- orbiculifolia S. Carter in *Kew Bull.*, 45(4): 653 (1990)—Oman.
- orbifolia (Alain) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): Chamaesyce orbifolia.
- padifolia (L.) Salm-Dyck, *Index Pl. Succ. Hort. Dyck.*: 24 (1822); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.
- pandurata Huber, *Cat. Gén. 1871 & 1872*: 3 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.
- papillaris (Boiss.) M. Raffaelli & C. Ricceri in *Webbia*, 42(1): 7 (1988): E. bivonae var. papillaris.



**EUPHORBIA** :-

- papillosa*  
*var. erythrorrhiza* (Boiss.) R. Subils in Kurtziana, 10: 230 (1977): E. erythrorrhiza.
- paredonensis* (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989): Chamaesyce *paredonensis*.
- parodii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 47 (1989), nom. nov.: E. angustifolia D. Parodi.
- parvicystophora* W. Rauh in *Cact. Succ. J. (U.S.A.)*, 58(4): 143 (1986)—Madagascar.
- pedemontana* L.C. Leach in *S. Afr. J. Bot.*, 54(5): 501 (1988)—South Africa (Cape Province).
- petaloides* G. Don f. in *Loud., Hort. Brit.*: 192 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.
- pinetorum* O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 105 (1976 publ. 1977)—U.S.S.R. (Caucasus).
- polygalifolia*  
*subsp. vasconensis* Vivant ex M. Kerguelen in *Lejeunia*, 120: 93 (1987)—France.
- porteriana* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): Chamaesyce *porteriana*.
- var. keyensis* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): Chamaesyce *keyensis*.
- var. scoparia* (Small) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): Chamaesyce *scoparia*.
- portucasadiana* (Croizat) R. Subils in Kurtziana, 10: 163 (1977): Chamaesyce *portucasadiana*.
- pteroococca*  
*var. pilosa* J.J. Lazare & A. Charpin in *Saussurea*, 19: 17 (1988 publ. 1989)—Spain, Portugal.
- quaitensis* S. Carter in *Candollea*, 43(2): 564 (1988)—South Yemen.
- radians*  
*var. stormiae* (Croiz.) J. Rzedowski & G. Calderón de Rzedowski in *Cact. Suc. Mex.*, 32(4): 76 (1987): E. *stormiae*.
- radlkoferi* R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), nom. nov.: E. *gracilis* Radlkof.
- raphilippii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), nom. nov.: E. *lanceolata* R.A. Philippi.
- reinhardtii*  
*var. bilocularis* (N.E. Brown) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): E. *bilocularis*.
- rochaensis* (Croizat) E. Alonso Paz & E. Marchesi in *Commun. Bot. Mus. Hist. Nat. Montevideo*, 5(84): 1 (1988): Chamaesyce *rochaensis*.
- rochaensis* (Croizat) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), isonym: Chamaesyce *rochaensis*.
- rockii*  
*var. grandiflora* (Hillebrand) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), typographic error; see *Phytologia*, 67(3): 236 (1989): E. *clusiifolia* var. *grandiflora*.
- var. grandifolia* (Hillebrand) R.C.H.M. Oudejans in *Phytologia*, 67(3): 236 (1989): E. *clusiifolia* var. *grandifolia*.
- roschianica* (Ikonnikov) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): *Tithymalus roschianus*.
- rothrockii* (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): Chamaesyce *rothrockii*.
- rubriseminalis* S. Carter in *Candollea*, 43(2): 566 (1988)—South Yemen.
- rugosiflora* L.C. Leach in *Kirkia*, 13(2): 319 (1990)—Zimbabwe.
- sareciana* M.G. Gilbert in *Kew Bull.*, 45(2): 268 (1990)—Ethiopia.
- scarlatina* S. Carter in *Kew Bull.*, 42(2): 392 (1987)—Kenya.
- schillingii* A. Radcliffe-Smith in *Kew Mag.*, 4(3): 112 (1987)—Nepal.
- scyphadena* S. Carter in *Kew Bull.*, 45(4): 657 (1990)—Somali Republic.
- selousiana* S. Carter in *Kew Bull.*, 42(2): 369 (1987)—Tanzania.
- serpyllifolia*  
*subsp. hirtula* (Engelmann ex Watson) R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989): E. *hirtula*.

**EUPHORBIA** :-

- sessei* R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), nom. nov.: E. *imbricata* M. Sessé & J.M. Mocino.
- similiramea* S. Carter in *Kew Bull.*, 42(2): 371 (1987)—Tanzania, Kenya.
- smallii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 48 (1989), nom. nov., without replaced synonym date; et in *Phytologia*, 67(3): 236 (1989), with replaced synonym date: Chamaesyce *pinetorum* J.K. Small.
- spissiflora* S. Carter in *Kew Bull.*, 45(2): 331 (1990)—Zimbabwe, Zambia.
- squamigera*  
*subsp. margalidiana* (Kuhbier & Lewejohann) O. de Bolós & J. Vigo, *Fl. Países Catalans*, 2: 580 (1990), without exact basionym page: E. *margalidiana*.
- standleyi* (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989): Chamaesyce *standleyi*.
- subhastifolia* M.V. Klokov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 99 (1976 publ. 1977)—U.S.S.R. (Caucasus).
- suffulta* P. Bruyns in *S. Afr. J. Bot.*, 56(1): 129 (1990)—South Africa (Cape Province).
- sultan-hassei* A. Strid, B. Bentzer, R. von Bothmer, L. Engstrand & M. Gustafsson in *Willdenowia*, 19(1): 63 (1989)—Crete.
- systyloides*  
*subsp. porcaticepsa* S. Carter in *Kew Bull.*, 45(2): 336 (1990)—Zimbabwe, Zambia, Malawi, Mozambique.
- taihsiensis* (Chaw & Koutnik) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): Chamaesyce *taihsiensis*.
- taiwaniana* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 685 (1987)—Taiwan.
- talaina* A. Radcliffe-Smith in *Kew Bull.*, 41(2): 319 (1986)—Pakistan.
- tamaulipasana* (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989): Chamaesyce *tamaulipasana*.
- taruensis* S. Carter in *Kew Bull.*, 42(2): 377 (1987)—Kenya.
- tenuispinosa*  
*var. robusta* Bally & S. Carter in *Kew Bull.*, 42(2): 377 (1987)—Kenya.
- tortilis* Rottler ex W. Ainslie, *Materia indica*, 2: 424 (1826); fide D.J. Mabberley in *Taxon*, 26(5-6): 536 (1977)—India.
- triphylla* (Klotzsch & Garcke ex Klotzsch) R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989): Eumecanthus *triphyllus*.
- tulearensis* (Rauh) W. Rauh in *Cact. Succ. J. (U.S.A.)*, 60(4): 184 (1988): E. *cap-saintemariensis* var. *tulearensis*.
- uniglans* M.G. Gilbert in *Kew Bull.*, 45(2): 273 (1990)—Ethiopia.
- urbanii* (Millsaugh) R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989): Chamaesyce *urbanii*.
- vaalputsiana* L.C. Leach in *S. Afr. J. Bot.*, 54(6): 534 (1988)—South Africa (Cape Province).
- villifera* W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 42 (1988)—China.
- waldsteinii*  
*subsp. jaxartica* (Prokhanov) R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989): *Tithymalus jaxarticus*.
- subsp. orientalis* (Boissier) R.C.H.M. Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib.*: 5 (1990): E. *virgata* var. *orientalis*.
- wangii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989), nom. nov.: E. *villifera* Wang.
- wootonii* R.C.H.M. Oudejans in *Phytologia*, 67(1): 49 (1989), nom. nov.: *Zygophyllum delicatulum* E.O. Wooton & P.C. Standley.
- yanjinensis* W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 45 (1988)—China.
- yinshamica* S.Q. Zhou & G.H. Liu in *Acta Phytotax. Sin.*, 27(1): 77 (1989)—China.
- yunnanensis* A. Radcliffe-Smith in *Kew Bull.*, 45(3): 569 (1990)—China.

**EUPHORIANTHUS** (Sapindac.).

- euneurus* (Miq.) P.W. Leenhouts in *Blumea*, 33(1): 198 (1988): *Dysoxylum euneuron*.

**EUPHRASIA** (Scrophulariac.).

- alpina*  
*subsp. asturica* (Pugsley) H.S. Nava Fernández & M.A. Fernández Casado in *An. Jard. Bot. Madrid*, 43(1): 180 (1986): E. *asturica*.
- amphisepala* W.R. Barker in *J. Adelaide Bot. Gard.*, 10(2): 204 (1987)—Tasmania.
- pseudopaucifolia* T. Siddiqui & M. Qaiser in *Candollea*, 44(2): 525 (1989)—India, Pakistan.

**EUPHRONIA** (Trigoniac.).

- acuminatissima* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 91 (1987)—Venezuela.

**EURYA** (Theac.).

- arunachalensis* A.S. Chauhan in *Indian J. Forest.*, 13(1): 76 (1990)—India.

×**EURYGRAECUM** hort. in *Orchid Rev.*, 95(1121): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (*Angraecum* × *Eurychone*).

**EUSCAPHIS** (Staphyleac.).

- japonica*  
*var. pubescens* P.L. Chiu & G.R. Zhong in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 106 (1988)—China.

**EUTHRYPTOCHLOA** T.A. Cope in *Kew Bull.*, 42(3): 707 (1987). **GRAMINEAE**.

- longiligula* T.A. Cope in *Kew Bull.*, 42(3): 707 (1987)—China.

**EUTREMA** (Crucif.).

- edwardsii*  
*var. heterophyllum* (W.W. Smith) W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 18 (1987): *Braya heterophylla*.
- koreana* (Nak.) K. Hammer in *Kulturpflanze*, 34: 98 (1986): *Wasabia koreana*.
- obliquum* K.C. Kuan & An in *Fl. Xizangica*, 2: 399 (1985)—Xizang.

**EVAX** (Compos.).

- libyaca* S.A. Alavi in *Fl. Libya*, 107: 51 (1983)—Libya.

**EVODIELLA** (Rutac.).

- muelleri*  
*f. dinggi* J.F. Veldkamp & R.J. Rouwenhorst in *Blumea*, 32(1): 203 (1987), nom. nov.: E. *hooglandii* B.L. v.d. Linden.
- f. kanange* J.F. Veldkamp & R.J. Rouwenhorst in *Blumea*, 32(1): 204 (1987)—New Guinea (Papua New Guinea).
- velutina* J.F. Veldkamp in *Blumea*, 32(1): 205 (1987)—New Guinea (Papua New Guinea).

**EVODIOPANAX** (Araliac.).

- evodiifolius*  
*var. glaucus* (Feng) H. Ohashi in *J. Jap. Bot.*, 62(12): 362 (1987): A. *evodiaefolius* var. *glaucus*.
- var. pseudoevodiifolius* (Feng) H. Ohashi in *J. Jap. Bot.*, 62(12): 362 (1987): A. *evodiaefolius* var. *pseudoevodiifolius*.

**EVOLVULUS** (Convolvulac.).

- choapanus* A. McDonald in *Phytologia*, 65(2): 152 (1988)—Mexico.
- yunnanensis* S.H. Huang in *Acta Phytotax. Sin.*, 24(1): 17 (1986)—China.

**EVOSMA** (Loganiac.).

- latifolia* (Aubl.) Sterler, *Hort. Nymph.*: 46 (1821); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Coussapoa latifolia*.

**EVARDIA** (Orchidac.).

- asraoa* J. Joseph & N.R. Abbareddy in *Bull. Bot. Surv. India*, 25(1-4): 232 (1983 publ. 1985)—India.

**EVARDIANA** L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988), nom. nov.: *Evardia* Gagnep. (Orchidac.).

- poilanei* (Gagnep.) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988): *Evardia poilanei*.

**EXACUM** (Gentianac.).

- decapertum *J. Klackenberg in Fl. Madagascar*, fam. 168 & 168 bis: 32 (1990)—Madagascar.  
divaricatum  
  *subsp. latifolium* (Klackenberg) *J. Klackenberg in Fl. Madagascar*, fam. 168 & 168 bis: 58 (1990): *E. latifolium*.  
sutaepense  
  *f. gracile* (Toyokuni) *H. Toyokuni in Acta Phytotax. Geobot.*, 36(4-6): 124 (1985): *E. sutaepense* var. *gracile*.

**EXOCARPOS** (Santalac.).

- montanus (Stauff.) *M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien*, 5: 76 (1989): *E. phyllanthoides* var. *montanus*.

**EXODECONUS** (Solanac.).

- maritima (Benth.) *W.G. D'Arcy in Solanaceae Newsl.*, 2(4): 19 (1986): *Thinogeton* *maritima*.

**F****FABA** (Legumin.).

- bona  
  *subsp. equina* (Pers.) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Vicia faba* β var. *equina*.  
  *subsp. minuta* (Alef.) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Faba vulgaris* var. *minuta*.

**FACHEIROA** (Cactac.).

- subgen. Zehntnerella* (Britton & Rose) *P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 37(3): 56 (1986): gen. *Zehntnerella*.  
chaetacantha (Ritter) *P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 40(8): 202 (1989): *Zehntnerella chaetacantha*.  
  *var. montealtoi* (Ritter) *P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 40(8): 202 (1989): *Zehntnerella chaetacantha* var. *montealtoi*.  
estesvii *P.J. Braun in Kakt. And. Sukk.*, 37(4): 79 (1986)—Brazil.  
squamosa (Guerke) *P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 40(8): 199 (1989): *Cereus squamosus*.  
  *var. polygona* (Ritter) *P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 40(8): 202 (1989): *Zehntnerella polygona*.  
tenebrosa *P. Braun & E. Esteves Pereira in Kakt. And. Sukk.*, 39(6): 131 (1988)—Brazil.

**FADOGIA** (Rubiace.).

- audruana *M. Fay, J.-P. Lebrun & A.L. Stork in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 57 (1986)—Central African Republic.

**FAGARA** (Rutac.).

- aculeata (Ruiz & Pavón) *J. Cuatrecasas in Fl. Neotrop.*, 2 Suppl.: 98 (1985): *Brunellia aculeata*.  
chevalieri (Waterm.) *L. Aké Assi, Flore Côte d'Ivoire (Thesis)*, 2: 1041 (1984), illegit., superfl.; see also *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(4): 460 (1987 publ. 1988): *Zanthoxylum chevalieri*.

**FAGONIA** (Zygophyllac.).

- indica  
  *var. thomsonii* (Giri & Nayar) *M. Sharma, Punjab Plants Check-list*: 7 (1990): *F. arabica* var. *thomsonii*.

**FAGOPYRUM** (Polygonac.).

- acutatum (Lehm.) *Mansf. ex K. Hammer in R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf.*, 2, ed. *J. Schultze-Motel*, 1: 121 (1986): *Polygonum acutatum*.  
snowdenii (Hutch. & Dandy) *S.P. Hong in Grana*, 27(4): 295 (1988): *Harpagocarpus snowdenii*.

**FAGUS** (Fagac.).

- hayatae  
  *var. zhejiangensis* *M.C. Liu & M.H. Wu ex Y.T. Chang & C.C. Huang in Acta Phytotax. Sin.*, 26(2): 115 (1988)—China.  
longipetiolata  
  *f. clavata* (Y.T. Chang) *Y.T. Chang in Acta Phytotax. Sin.*, 26(2): 114 (1988): *F. clavata*.

**FALCARIA** (Umbellif.).

- agrestis (Hoffm.) *Sweet, Hort. Brit.*, ed. 2: 245 (1830); cf. *D.J. Mabberley in Taxon*, 31(1): 70 (1982): *Basionym* not stated.

**FALCATIFOLIUM** (Podocarpace.).

- falciforme  
  *var. usan-apuensis* *de Laubenfels & J. Silba in Phytologia*, 68(1): 32 (1990)—Borneo (Sarawak).  
gruezoi *D.J. de Laubenfels in Fl. Males.*, 10(3): 373 (1988)—Philippine Is., Celebes, Moluccas.  
sleumeri *D.J. de Laubenfels & J. Silba in Phytologia*, 65(5): 329 (1988)—New Guinea (W. Irian).  
usan-apuensis (de Laubenfels & J. Silba) *de Laubenfels & J. Silba in Phytologia*, 68(6): 512 (1990), without basionym date: *F. falciforme* var. *usan-apuensis*.

**FALLOPIA** (Polygonac.).

- sect. Reynoutria* (Houtt.) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 346 (1988): gen. *Reynoutria*.  
×bohemica (Chrtek & Chrtková) *J.P. Bailey in Watsonia*, 17(4): 443 (1989): *Reynoutria* × *bohemica*.  
ciliinervis (Nak.) *K. Hammer in Kulturpflanze*, 34: 99 (1986): *Pleuropteris ciliinervis*.  
convolvulus  
  *var. subalatum* (Lej. & Court.) *D.H. Kent in J.E. Lousley & D.H. Kent, Docks and Knotweeds of British Isles (BSBI Handbook)*, 3: 82 (1981): *Polygonum convolvulus* var. *subalatum*.  
japonica (Houtt.) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 369 (1988): *Reynoutria japonica*.  
  *var. compacta* (Hook. f.) *J.P. Bailey in Watsonia*, 17(4): 443 (1989): *Polygonum compactum*.  
sachalinensis (F. Schmidt Petrop.) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 369 (1988): *Polygonum sachalinense*.  
schischkinii *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 24: 78 (1987)—U.S.S.R. (Soviet Far East).

**FARAMEA** (Rubiace.).

- boomii *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 335 (1988)—Venezuela.  
cazaderensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(2): 398 (1987)—Venezuela.  
morilloi *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 337 (1988)—Venezuela.  
paludicola *J.A. Steyermark & Boom in Ann. Missouri Bot. Gard.*, 75(1): 338 (1988)—Venezuela.  
yavitensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 338 (1988)—Venezuela.  
yutajensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 339 (1988)—Venezuela.

**FARGESIA** (Gramin.).

- sect. Ampullares* *T.P. Yi in J. Bamboo Res.*, 4(1): 19 (1985).  
*ser. Ampullares* *T.P. Yi in J. Bamboo Res.*, 7(2): 16 (1988).  
*ser. Angustissimae* *T.P. Yi in J. Bamboo Res.*, 7(2): 50 (1988).  
*ser. Collares* *T.P. Yi in J. Bamboo Res.*, 7(2): 16 (1988).  
*ser. Murielae* *T.P. Yi in J. Bamboo Res.*, 7(2): 17 (1988).  
*ser. Spathaceae* *T.P. Yi in J. Bamboo Res.*, 7(2): 31 (1988).  
*sect. Sphaerigemma* *T.P. Yi in J. Bamboo Res.*, 7(2): 16 (1988), nom. nov.: *F. sect. Ampullares* *Yi*.  
*ser. Yunnanenses* *T.P. Yi in J. Bamboo Res.*, 7(2): 84 (1988).  
*acuticontracta* *T.P. Yi in J. Bamboo Res.*, 7(2): 98 (1988)—China.  
*albocerea* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 45 (1988), as 'albo-cerea'—China.  
*altior* *T.P. Yi in J. Bamboo Res.*, 7(2): 65 (1988)—China.

**FARGESIA** :-

- brevipes* (McClure) *T.P. Yi in J. Bamboo Res.*, 7(2): 113 (1988): *Arundinaria brevipes*.  
*caduca* *T.P. Yi in J. Bamboo Res.*, 7(2): 108 (1988)—China.  
*canaliculata* *T.P. Yi in J. Bamboo Res.*, 4(1): 19 (1985)—China.  
*circinata* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 81 (1988)—China.  
*communis* *T.P. Yi in J. Bamboo Res.*, 7(2): 51 (1988)—China.  
*concinna* *T.P. Yi in Acta Bot. Yunnanica*, 10(4): 437 (1988)—China.  
*contracta* *T.P. Yi in J. Bamboo Res.*, 7(2): 60 (1988)—China.  
  *f. evacuata* *T.P. Yi in J. Bamboo Res.*, 7(2): 63 (1988)—China.  
*declivis* *T.P. Yi in J. Bamboo Res.*, 7(2): 101 (1988)—China.  
*demissa* *T.P. Yi in J. Bamboo Res.*, 7(2): 93 (1988)—China.  
*denudata* *T.P. Yi in J. Bamboo Res.*, 4(1): 20 (1985)—China.  
*dura* *T.P. Yi in J. Bamboo Res.*, 7(2): 34 (1988)—China.  
*edulis* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 53 (1988)—China.  
*falcata* (Nees) *T.P. Yi in Fl. Xizangica*, 5: 33 (1987): *Arundinaria falcata*.  
*fractiflexa* *T.P. Yi in J. Bamboo Res.*, 4(1): 22 (1985)—China.  
*frigidis* *T.P. Yi in J. Bamboo Res.*, 7(2): 17 (1988)—China.  
*gongshanensis* *T.P. Yi in J. Bamboo Res.*, 7(2): 57 (1988)—China.  
*hsuehiana* *T.P. Yi in J. Bamboo Res.*, 7(2): 104 (1988)—China.  
*hygrophila* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 74 (1988)—China.  
*lincangensis* *T.P. Yi in J. Bamboo Res.*, 7(2): 96 (1988)—China.  
*longissima* *T.P. Yi in Fl. Xizangica*, 5: 34 (1987)—Xizang.  
*lushuiensis* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 111 (1988)—China.  
*mairei* (Hack. ex Hand.-Mazz.) *T.P. Yi in J. Bamboo Res.*, 7(2): 50 (1988), without basionym page: *Arundinaria mairei*.  
*mali* *T.P. Yi in Acta Bot. Yunnanica*, 11(1): 37 (1989)—China.  
*obliqua* *T.P. Yi in Acta Bot. Yunnanica*, 8(1): 48 (1986)—China.  
*orbiculata* *T.P. Yi in J. Bamboo Res.*, 7(2): 22 (1988)—China.  
*papyrifera* *T.P. Yi in J. Bamboo Res.*, 7(2): 42 (1988)—China.  
*perlonga* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 79 (1988)—China.  
*pleniculmis* (Hand.-Mazz.) *T.P. Yi in J. Bamboo Res.*, 7(2): 113 (1988): *Arundinaria pleniculmis*.  
*porphyrea* *T.P. Yi in J. Bamboo Res.*, 7(2): 84 (1988)—China.  
*praecipua* *T.P. Yi in J. Bamboo Res.*, 7(2): 68 (1988)—China.  
*qinlingensis* *T.P. Yi & J.X. Shao in J. Bamboo Res.*, 6(1): 42 (1987)—China.  
*sagittatina* *T.P. Yi in J. Bamboo Res.*, 7(2): 63 (1988)—China.  
*semicoriacea* *T.P. Yi in J. Bamboo Res.*, 7(2): 71 (1988)—China.  
*similaris* *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 25 (1988)—China.  
*solida* *T.P. Yi in J. Bamboo Res.*, 7(2): 47 (1988)—China.  
*stenoclada* *T.P. Yi in J. Bamboo Res.*, 8(2): 30 (1989)—China.  
*strigosa* *T.P. Yi in J. Bamboo Res.*, 7(2): 90 (1988)—China.  
*subflexuosa* *T.P. Yi in J. Bamboo Res.*, 7(2): 36 (1988)—China.  
*sylvestris* *T.P. Yi in J. Bamboo Res.*, 7(2): 31 (1988)—China.  
*tenuilignea* *T.P. Yi in J. Bamboo Res.*, 7(2): 39 (1988)—China.  
*ungulata* *T.H. Wen in J. Bamboo Res.*, 8(1): 22 (1989)—China.  
*utilis* *T.P. Yi in J. Bamboo Res.*, 7(2): 28 (1988)—China.

**FARGESIA** :-

- vicina (*Keng*) *T.P. Yi in J. Bamboo Res.*, 7(2): 113 (1988); *Arundinaria* vicina.  
 wuliangshanensis *T.P. Yi in Acta Bot. Yunnanica*, 10(4): 438 (1988)—China.  
 yuanjiangensis *Hsueh & T.P. Yi in J. Bamboo Res.*, 7(2): 76 (1988)—China.  
 yulongshanensis *T.P. Yi in J. Bamboo Res.*, 7(2): 87 (1988)—China.  
 zayuensis *T.P. Yi in J. Bamboo Res.*, 7(2): 20 (1988)—Xizang.

**FARINOPSIS** *J. Chrtek & J. Soják in Čas. Nár. Muz. (Prague)*, 153(1): 10 (1984). **ROSACEAE**.  
 salesoviana (*Steph.*) *J. Chrtek & J. Soják in Čas. Nár. Muz. (Prague)*, 153(1): 10 (1984): *Potentilla salesoviana*.

**FAROA** (*Gentianac.*).

- schaiesiorum *P. Bamps in Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 479 (1987)—Zaire.

**FARSETIA** (*Crucif.*).

- egyptia  
 subsp. edgeworthii (*Hook. f. & Thoms.*) *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 43 (1986): *F. edgeworthii*.  
 cornus-africana *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 70 (1986)—Somali Republic.  
 dhofarica *B. Jonsell & A.G. Miller in Symb. Bot. Upsal.*, 25(3): 98 (1986)—Oman, South Yemen.  
 divaricata *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 49 (1986)—Somali Republic.  
 emarginata *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 38 (1986)—Somali Republic.  
 latifolia *B. Jonsell & A.G. Miller in Symb. Bot. Upsal.*, 25(3): 57 (1986)—Oman.  
 nummularia *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 44 (1986)—Ethiopia, Kenya.  
 pedicellata *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 51 (1986)—Somali Republic.  
 spinulosa *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 49 (1986)—Somali Republic.  
 stenoptera  
 subsp. boivinii (*Fournier*) *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 95 (1986): *F. boivinii*.  
 tenuisiliqua *B. Jonsell in Symb. Bot. Upsal.*, 25(3): 55 (1986)—Somali Republic.

**FAUREA** (*Proteac.*).

- coriacea *S.K. Marner in Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 430 (1989)—Madagascar.  
 rubriflora *S.K. Marner in Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 429 (1989)—Zimbabwe, Mozambique.

**FEDIA** (*Valerianac.*).

- dentata (*L.*) *Bernh., Syst. Verz.*: 24 (1800); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984): *Basionym* not stated.  
 graciliflora  
 subsp. calycina (*Maire*) *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 50 (1989 publ. 1990): *F. calycina*.  
 subsp. diana *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 52 (1989 publ. 1990)—Algeria.  
 var. insularis *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 45 (1989 publ. 1990)—Sicily, Balearic Is., Malta, Crete.  
 var. longiflora *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 49 (1989 publ. 1990)—Algeria.  
 subsp. snassenorum *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 46 (1989 publ. 1990)—Morocco, Algeria.  
 subsp. sulcata (*Pomel*) *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 47 (1989 publ. 1990): *F. sulcata*.  
 var. sulcata (*Pomel*) *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 47 (1989 publ. 1990): *F. sulcata*.  
 pallescens  
 subsp. hirsuta (*Emberger & Maire*) *J. Mathez & N. Xena de Enrech in Nat. Monspel., Bot.*, 54: 55 (1989 publ. 1990): *F. cornucopiae* var. *hirsuta*.  
 rugulosa *Hornem., Hort. Hafn.*: 950 (1815); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.

**FELDSTONIA** *P.S. Short in Muelleria*, 7(1): 108 (1989). **COMPOSITAE**.  
 nitens *P.S. Short in Muelleria*, 7(1): 109 (1989)—Australia (W. Australia).

**FELICIA** (*Compos.*).

- bampsiana *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 475 (1989)—Zaire.  
 petitiana *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 476 (1989)—Burundi.

**FEMENIASIA** *A. Susanna de la Serna in Collect. Bot.*, 17(1): 83 (1987 publ. 1988). **COMPOSITAE**.  
 balearica (*Rodriguez Femenias*) *A. Susanna de la Serna in Collect. Bot.*, 17(1): 84 (1987 publ. 1988): *Centaurea balearica*.

**FERDINANDUSA** (*Rubiace.*).

- boomii *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 339 (1988)—Venezuela.

**FERNANDOIA** (*Bignoniace.*).

- guangxiensis *D.D. Tao in Acta Phytotax. Sin.*, 24(2): 149 (1986)—China.

**FEROCACTUS** (*Cactac.*).

- macrodiscus  
 var. septentrionalis *J. Meyrán in Cact. Suc. Mex.*, 32(3): 52 (1987)—Mexico.  
 piliferus (*Lemaire ex Ehrenberg*) *G. Unger in Kakt. And. Sukk.*, 37(2): 45 (1986): *Echinocactus piliferus*.  
 f. flavispinus (*hort. ex Schelle*) *G. Unger in Kakt. And. Sukk.*, 37(2): 45 (1986): *Echinocactus pilosus flavispinus*.  
 var. stainesii (*Salm-Dyck*) *G. Unger in Kakt. And. Sukk.*, 37(2): 45 (1986): *Echinocactus pilosus* var. *stainesii*.

**FERULA** (*Umbellif.*).

- alaica *M.G. Pimenov & S. Melibaev in Bot. Zhurn.*, 73(11): 1604 (1988)—U.S.S.R. (Middle Asia).  
 behboudiana (*Rech. f. & Esfand.*) *D.F. Chamberlain in Fl. Iran.*, 162: 395 (1987): *Smyrniopsis behboudiana*.  
 dictyocarpa *K.H. Rechinger in Fl. Iran.*, 162: 423 (1987)—Afghanistan.  
 gabrieli *K.H. Rechinger in Fl. Iran.*, 162: 398 (1987)—Iran.  
 ghorana *K.H. Rechinger in Fl. Iran.*, 162: 424 (1987)—Afghanistan.  
 grigorievii  
 var. badachschanica *E.P. Korovin in Fl. Tadzhikskoi SSR*, 7: 523 (1984), without type—U.S.S.R. (Middle Asia).  
 groessingii *H. Riedl & C. Riedl-Dorn in Linz. Biol. Beitr.*, 19(2): 485 (1987)—China.  
 hexiensis *K.M. Shen in Acta Phytotax. Sin.*, 24(4): 314 (1986)—China.  
 kandaharica *K.H. Rechinger in Fl. Iran.*, 162: 424 (1987)—Afghanistan.  
 karelinii *A. Bunge, Beitr. Fl. Russl.*: 130 (1852)—U.S.S.R. (Middle Asia).  
 kashanica *K.H. Rechinger in Fl. Iran.*, 162: 400 (1987)—Iran.  
 lutensis *K.H. Rechinger in Fl. Iran.*, 162: 396 (1987)—Iran.  
 pachycaulos *K.H. Rechinger in Fl. Iran.*, 162: 398 (1987)—Afghanistan.  
 persica  
 var. latisepta *D.F. Chamberlain in Fl. Iran.*, 162: 401 (1987), without latin descr.—Iran.  
 racemosoumbellata (*Gilli*) *K.H. Rechinger in Fl. Iran.*, 162: 401 (1987): *Johrenia racemoso-umbellata*.  
 rechingeri *D.F. Chamberlain in Fl. Iran.*, 162: 422 (1987)—Afghanistan.  
 songarica  
 subsp. mongolica *V.M. Vinogradova & R.V. Kamelin in Novosti Sist. Vyssh. Rast.*, 23: 101 (1986)—Mongolia.  
 tabasensis *K.H. Rechinger in Fl. Iran.*, 162: 419 (1987)—Iran.  
 trachelocarpa *K.H. Rechinger in Fl. Iran.*, 162: 425 (1987)—Afghanistan.  
 xanthocarpa *K.H. Rechinger in Fl. Iran.*, 162: 394 (1987)—Afghanistan.

**FERULAGO** (*Umbellif.*).

- sect. *Aucheria* *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 968 (1987).  
 sect. *Bernardia* *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 968 (1987).  
 sect. *Fieldiana* *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 971 (1987).  
 subgen. *Galbanifera* *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 968 (1987).  
 sect. *Humiles* *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 968 (1987).  
 sect. *Lophosciadium* (*DC.*) *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 968 (1987): gen. *Lophosciadium*.  
 sect. *Uloptera* (*Fenzl*) *M.G. Pimenov & L.P. Tomkovich in Bot. Zhurn.*, 72(7): 971 (1987): gen. *Uloptera*.  
 angulata  
 subsp. *carduchorum* (*Boiss. & Hausskn.*) *D.F. Chamberlain in Fl. Iran.*, 162: 432 (1987): *F. carduchorum*.  
 sylvatica  
 subsp. *confusa* (*Velen.*) *P. Hartvig in A. Strid (ed.), Mount. Fl. Greece*, 1: 713 (1986): *F. confusa*.

**FESTUCA** (*Gramin.*).

- subgen. *Erosiflorae* *E.B. Alekseev in Novosti Sist. Vyssh. Rast.*, 23: 11 (1986).  
 sect. *Fauria* *E.B. Alekseev in Novosti Sist. Vyssh. Rast.*, 25: 13 (1988).  
 sect. *Obtusae* (*E. Alekseev*) *E.B. Alekseev in Novosti Sist. Vyssh. Rast.*, 25: 13 (1988): *F. subgen. Obtusae*.  
 ser. *Oviniae* *M. Pavlus in Fragm. Flor. Geobot.*, 29(2): 228 (1983 publ. 1985).  
 ser. *Psammophilae* *M. Pavlus in Fragm. Flor. Geobot.*, 29(2): 259 (1983 publ. 1985).  
 ser. *Trachypyllae* *M. Pavlus in Fragm. Flor. Geobot.*, 29(2): 246 (1983 publ. 1985).  
 ser. *Valesiacae* *M. Pavlus in Fragm. Flor. Geobot.*, 29(2): 276 (1983 publ. 1985).  
 acamptophylla (*St.-Yves*) *E.B. Alekseev in Bot. Zhurn.*, 71(8): 1113 (1986): *F. abyssinica* subsp. *acamptophylla*.  
 ampla  
 subsp. *simplex* (*Pérez Lara*) *J.A. Devesa in Lagasalia*, 14(1): 164 (1986): *F. scaberrima* var. *simplex*.  
 archeri *E.B. Alekseev in Novosti Sist. Vyssh. Rast.*, 24: 8 (1987)—Tasmania.  
 atlantica  
 subsp. *oxyphylla* (*Litard. & Maire*) *A.M. Romo in Collect. Bot.*, 16(2): 337 (1986): *F. atlantica* var. *oxyphylla*.  
 atlantigena (*Litar.*) *A.M. Romo in Collect. Bot.*, 16(2): 338 (1986): *F. rubra* var. *atlantigena*.  
 bastardii *M. Kerguelen & F. Plonka in Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 16 (1988)—France.  
 brevipaleata (*St.-Yves*) *E.B. Alekseev in Bot. Zhurn.*, 71(8): 1113 (1986): *F. camusiana* var. *brevipaleata*.  
 camerunensis *E.B. Alekseev in Bot. Zhurn.*, 72(9): 1267 (1987)—Cameroun.  
 changduensis *L. Liou in Fl. Xizangica*, 5: 85 (1987)—Xizang.  
 chodatiana (*St.-Yves*) *E.B. Alekseev in Bot. Zhurn.*, 71(8): 1113 (1986): *F. camusiana* subsp. *chodatiana*.  
 claytonii *E.B. Alekseev in Bot. Zhurn.*, 71(8): 1117 (1986)—Kenya.  
 cordubensis *J.A. Devesa in Lagasalia*, 14(1): 165 (1986)—Spain.  
 djurdjurae (*Battandier & Trabut*) *A.M. Romo in Collect. Bot.*, 16(2): 338 (1986): *F. duriuscula* f. *djurdjurae*.  
 dracomontana *H.P. Linder in Bothalia*, 16(1): 59 (1986)—Lesotho, South Africa (Natal, Transvaal).  
 durandoi  
 var. *capillifolia* (*Pau ex Willk.*) *M.A. Rivas Ponce & C. Cebolla Lozano in Fontqueria*, 28: 19 (1990): *F. spadicea* var. *capillifolia*.  
 subsp. *livida* (*Hack.*) *M.A. Rivas Ponce & C. Cebolla Lozano in Fontqueria*, 28: 19 (1990): *F. spadicea* var. *livida*.  
 dyris (*Maire & Trabut*) *A.M. Romo in Collect. Bot.*, 16(2): 338 (1986): *F. alpina* var. *dyris*.  
 elgonensis *E.B. Alekseev in Bot. Zhurn.*, 72(9): 1266 (1987)—Uganda, Sudan.

**FESTUCA** :-

- embergeri (Litard. & Maire) A.M. Romo in *Collect. Bot.*, 16(2): 338 (1986): F. ovina var. embergeri.
- eriobasis H. Scholz in *Willdenowia*, 18(2): 431 (1989)—Nepal.
- exaristata E.B. Alekseev in *Bot. Zhurn.*, 71(8): 1116 (1986)—Lesotho.
- fabrei M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 18 (1988)—France.
- filiformis
- f. mucronata (Auquier) M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 20 (1988): F. tenuifolia f. mucronata.
- font-queri (Litard.) A.M. Romo in *Willdenowia*, 16(1): 115 (1986): F. rubra subsp. font-queri.
- fontqueriana (St.-Yves) A.M. Romo in *Collect. Bot.*, 16(2): 338 (1986): F. ovina var. fontqueriana.
- forrestii
- subsp. nepalensis H. Scholz in *Willdenowia*, 18(2): 432 (1989)—Nepal.
- gaetula
- subsp. embergeri (Litard.) A.M. Romo in *Collect. Bot.*, 16(2): 338 (1986): F. rubra subvar. embergeri.
- gamisansii M. Kerguelen in *Lejeunia*, 120: 95 (1987), nom. nov.: F. ovina var. litardierei St.-Yves.
- gracillima
- var. glacialis Z.E. Rugolo de Agrasar & E.G. Nicora in *Bol. Soc. Argent. Bot.*, 25(3-4): 464 (1988)—Argentina, Chile.
- halleri
- subsp. yvesii M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 18 (1988)—France.
- hedbergii E.B. Alekseev in *Bot. Zhurn.*, 71(8): 1113 (1986), nom. nov.: F. abyssinica var. supina Pilg. ex St.-Yves.
- hervieri
- subsp. costei (St.-Yves) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): F. ovina subvar. costei.
- iberica (Hackel) K. Richter, *Pl. Europ.*, 1: 99 (1890): F. rubra var. iberica.
- ×jierru H.S. Nava in *Fontqueria*, 7: 24 (1985)—Spain. (F. gautieri × piceo-europeana).
- karabaghensis S.G. Musaev in *Bot. Zhurn.*, 72(1): 94 (1987), nom. nov.: F. varia var. caucasica St.-Yves.
- lahonderei M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 18 (1988)—France.
- macra (Stapf) E.B. Alekseev in *Bot. Zhurn.*, 71(8): 1116 (1986): F. caprina var. macra.
- malyshevii E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 127 (1987); et in *Fl. Sibir. (Poaceae)*, 2: 152 (1990), nom. nov.: F. jacutica var. nutans Malyshev.
- maroccana
- subsp. pozzicola (Litard. & Maire) A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986): F. deserti subvar. pozzicola.
- maskerensis (Litard.) A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986): F. ovina var. maskerensis.
- misera C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 119 (1784)—Japan.†
- nevadensis (Hackel) K. Richter, *Pl. Europ.*, 1: 101 (1890): F. rubra subsp. nevadensis.
- nigricans (Hackel) K. Richter, *Pl. Europ.*, 1: 99 (1890): F. rubra var. nigricans.
- numidica (Battandier & Trabut) A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986): F. plicata subsp. numidica.
- oraria (Dumort.) H.C. van Hall, *Fl. Belg. Sept.*, 1: 110 (1825): F. rubra\* (subsp.) oraria.
- ovina
- subsp. bigoudenensis M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 20 (1988)—France.
- subsp. firmulacea (Markgr.-Dannenb.) N.S. Probatova in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(4): 73 (1990): F. trachyphylla f. firmulacea.
- subsp. liviensis (Verguin) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): F. ovina var. liviensis.
- subsp. valentina (St.-Yves) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): F. ovina var. valentina.
- pallidula E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(2): 97 (1988)—U.S.S.R. (Caucasus).

**FESTUCA** :-

- paniculata
- subsp. fontqueri M.A. Rivas Ponce & C. Cebolla in *Fontqueria*, 21: 21 (1988)—Spain, France.
- var. longiglumis (R. Lit.) C. Cebolla Lozano in *Fontqueria*, 28: 167 (1990): F. paniculata subvar. longiglumis.
- subsp. paui C. Cebolla Lozano & M.A. Rivas Ponce in *Collect. Bot.*, 18: 87 (1990)—Spain.
- parvigluma
- f. brevistarata (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 507 (1987): F. parvigluma var. brevistarata.
- pauciflora C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 119 (1784)—Japan.†
- paucispicula V. de la Fuente Garcia & D. Sánchez-Mata in *Candollea*, 41(2): 441 (1986), nom. nov.: F. rubra subsp. font-queri Litard.
- piceo-europeana H.S. Nava in *Fontqueria*, 7: 23 (1985)—Spain.
- pilosella E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(3): 118 (1986)—Yemen.
- psammophila
- subsp. muellerstollii M. Toman in *Feddes Repert.*, 101(1-2): 31 (1990), contrary to Art. 37.3 ICBN (1988)—Czechoslovakia.
- richardii E.B. Alekseev in *Bot. Zhurn.*, 71(8): 1109 (1986)—Ethiopia.
- rigidiuscula E.B. Alekseev in *Bot. Zhurn.*, 71(8): 1111 (1986)—Cameroun.
- rubra
- subsp. limosa E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 125 (1987)—Sakhalin Is.
- subsp. pluriflora (D.M. Chang) N.R. Cui in *Claves Pl. Xinjiang*, 1: 112 (1982): F. pluriflora.
- subsp. rivularis (Boiss.) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): F. rivularis.
- sauvagei A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986), nom. nov.: F. ovina var. maroccana St.-Yves.
- sinensis Keng ex E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 112 (1988)—China.
- stricta
- var. multinervis (Stohr) M. Kerguelen & F. Plonka in *Bull. Soc. Bot. Centre-Ouest, n.s.*, 19: 20 (1988): F. duvalii var. multinervis.
- sudanensis E.B. Alekseev in *Bot. Zhurn.*, 72(9): 1264 (1987)—Sudan.
- takedana
- subsp. blepharogyna (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 508 (1987): *Leipodia blepharogyna*.
- tarraconensis (Litard.) A.M. Romo in *Willdenowia*, 16(1): 115 (1986): F. ovina var. tarraconensis.
- trabutii (St.-Yves) A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986): F. ovina subvar. trabutii.
- vaginata
- var. aristata M. Paulus in *Fragm. Flor. Geobot.*, 29(2): 275 (1983 publ. 1985)—Poland.
- weilleri (Litard.) A.M. Romo in *Collect. Bot.*, 16(2): 340 (1986): F. ovina var. weilleri.
- yemenensis E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(3): 118 (1986)—Yemen.
- yvesiana (Litard. & Maire) A.M. Romo in *Collect. Bot.*, 16(2): 339 (1986): F. rubra var. yvesiana.
- yvesii
- subsp. bellottii (Auquier & Kerguelen) M. Kerguelen in *Lejeunia*, 120: 102 (1987): F. durissima subsp. bellottii.

**FESTUCELLA** E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 90(5): 104 (1985). GRAMINEAE.

eriopoda (Vickery) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 90(5): 104 (1985): *Festuca eriopoda*.

×**FIALAARA** hort. in *Orchid Rev.*, 97(1143): centre page pull-out p. 8 (1989). ORCHIDACEAE. (Broughtonia × Cattleya × Laelia × Laeliopsis).

**FIBIGIA** (Crucif.).

lunarioides Sweet, *Hort. Brit.*: 467 (1827); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.

**FICINIA** (Cyperac.).

- crinita (Poiret) B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 358 (1986): *Cyperus crinitus*.
- filiculmea B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 358 (1986)—South Africa (Natal, Cape Province).
- nana B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 360 (1986)—South Africa (Natal), Lesotho.
- undosa B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 360 (1986)—South Africa (Natal), Lesotho.

**FICUS** (Morac.).

- subject. Caulocarpace (Mildbraed & Burret) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 125 (1986): F. sect. Caulocarpace.
- subject. Chlamydodora (Mildbraed & Burret) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 123 (1986): F. sect. Chlamydodora.
- subject. Crassicoctae (Mildbraed & Burret) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 124 (1986): F. sect. Crassicoctae.
- subject. Cyathistipulae (Mildbraed & Burret) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 125 (1986): F. sect. Cyathistipulae.
- subject. Platyphyllae (Mildbraed & Burret) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 122 (1986): F. sect. Platyphyllae.
- ampana C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 33 (1986)—Madagascar.
- antandronarum (H. Perrier) C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 45 (1986): F. pyrifolia var. antandronarum.
- subsp. bernardii C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 46 (1986)—Comoro Archipelago.
- ardisioides
- subsp. camptoneura (Mildbr.) C.C. Berg in *Kew Bull.*, 43(1): 77 (1988): F. camptoneura.
- aripuanensis C.C. Berg & F. Kooy in *Acta Amazonica*, 14(1-2 Suppl.): 195 (1984 publ. 1986)—Brazil.
- blepharophylla M. Vázquez Avila in *Acta Amazonica*, 14(1-2 Suppl.): 197 (1984 publ. 1986)—Brazil.
- cabur Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 47 (1810)—Nepal.
- chirindensis C.C. Berg in *Kew Bull.*, 43(1): 78 (1988)—Zimbabwe, Zaire, Kenya, Tanzania, Mozambique, Malawi.
- chlamydocarpa
- subsp. fernandesiana (Hutch.) C.C. Berg in *Kew Bull.*, 43(1): 80 (1988): F. fernandesiana.
- subsp. latifolia (Hutch.) C.C. Berg in *Kew Bull.*, 43(1): 81 (1988): F. eriobotryoides var. latifolia.
- cordata
- subsp. lecardii (Warb.) C.C. Berg in *Kew Bull.*, 43(1): 81 (1988): F. lecardii.
- subsp. salicifolia (Vahl) C.C. Berg in *Kew Bull.*, 43(1): 82 (1988): F. salicifolia.
- cremersii C.C. Berg in *Acta Amazonica*, 14(1-2 Suppl.): 199 (1984 publ. 1986)—French Guiana.
- cyathistipula
- subsp. pringsheimiana (Braun & K. Schumann) C.C. Berg in *Kew Bull.*, 43(1): 83 (1988): F. pringsheimiana.
- faulkneriana C.C. Berg in *Kew Bull.*, 43(1): 83 (1988)—Tanzania, Kenya.
- formosana
- f. lageniformis (Lévl. & Van.) C.Y. Wu in *Acta Bot. Yunnanica*, 11(1): 33 (1989): F. lageniformis.
- galactophora Ten., *Cat. Ort. Bot. Nap.*: 86 (1845); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.
- guntheri J.H. Torres-Romero in *Caldasia*, 14(67): 207 (1985), as 'guntherii'—Colombia.
- humbertii C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(1): 37 (1986)—Madagascar.
- hurlimannii A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 99 (1967)—New Caledonia.
- infraciliacea Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 31 (1810)—Nepal.
- insipida
- subsp. scabra C.C. Berg in *Acta Amazonica*, 14(1-2 Suppl.): 201 (1984 publ. 1986)—French Guiana, Brazil, Surinam, Guyana, Venezuela, Colombia.
- jacobii M. Vázquez Avila in *Acta Amazonica*, 14(1-2 Suppl.): 201 (1984 publ. 1986)—Peru.



**FICUS** :-

- karthalsensis C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 30 (1986)—Comoro Archipelago.
- lanyuensis S.S. Ying, *Colour. Illustr. Pl. Taiwan, Pt. 3; Colour. Illustr. Ligneous Pl. Taiwan*, 1: 435 (1987)—Taiwan.
- lauretana M. Vázquez Avila in *Acta Amazonica*, 14(1-2 Suppl.): 203 (1984 publ. 1986)—Brazil, Colombia, Peru.
- leiophylla C.C. Berg in *Acta Amazonica*, 14(1-2 Suppl.): 205 (1984 publ. 1986)—French Guiana, Brazil.
- lingua  
subsp. depauperata (Sim) C.C. Berg in *Kew Bull.*, 43(1): 85 (1988): F. depauperata.
- macrophylla Roxb. & Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 32 (1810)—East Indies.
- subsp. columnaris (C. Moore) P.S. Green in J. Arnold *Arbor.*, 67(1): 112 (1986): F. columnaris.
- madagascariensis C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 34 (1986)—Madagascar.
- microcarpa  
f. crassifolia (Shieh) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 383 (1988): F. retusa var. crassifolia.
- modesta F. White in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 104 (1990)—Malawi.
- muelleriana C.C. Berg in *Kew Bull.*, 43(1): 85 (1988)—Mozambique.
- natalensis  
subsp. lepieurii (Miq.) C.C. Berg in *Kew Bull.*, 43(1): 88 (1988): F. lepieurii.
- ottoniifolia  
subsp. lucanda (Ficalho) C.C. Berg in *Kew Bull.*, 43(1): 90 (1988): F. lucanda.
- subsp. macrosyce C.C. Berg in *Kew Bull.*, 43(1): 90 (1988)—Zambia, Zaïre, Angola.
- subsp. multinervia C.C. Berg in *Kew Bull.*, 43(1): 89 (1988)—Liberia, Senegal, Gambia, Guinea Bissau, Sierra Leone, Guinea, Ivory Coast.
- subsp. ulugurensis (Mildbr. & Burret) C.C. Berg in *Kew Bull.*, 43(1): 92 (1988): F. ulugurensis.
- pachyclada  
subsp. arborea (H. Perrier) C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 20 (1986): F. sorocoides var. arborea.
- pachyneura C.C. Berg in *Kew Bull.*, 43(1): 92 (1988)—Ghana, Liberia, Ivory Coast.
- piresiana M. Vázquez Avila & C.C. Berg in *Acta Amazonica*, 14(1-2 Suppl.): 207 (1984 publ. 1986)—Brazil, French Guiana.
- planchonellaefolia A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 100 (1967), without type—New Caledonia.
- polita  
subsp. brevipedunculata C.C. Berg in *Kew Bull.*, 43(1): 93 (1988)—Malawi, Tanzania, Zambia.
- pteroporum A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér., B (Paris)*, 15(2): 100 (1967)—New Caledonia.
- pubinervis  
var. cuneatonervosa (Yamamoto) S.S. Ying, *Colour. Illustr. Pl. Taiwan, Pt. 3; Colour. Illustr. Ligneous Pl. Taiwan*, 1: 386 (1987): Ficus cuneatonervosa.
- reflexa  
subsp. aldabrensis (Baker) C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 45 (1986): F. aldabrensis.
- subsp. sechellensis (Baker) C.C. Berg in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 49 (1986): F. rubra var. sechellensis.
- repens Roxb. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 100 (1810)—East Indies.
- roraimensis C.C. Berg in *Acta Amazonica*, 14(1-2 Suppl.): 209 (1984 publ. 1986)—Brazil.
- ruficaulis  
var. antaoensis (Hayata) Hatusima & J.C. Liao in *Quart. J. Chinese Forest.*, 22(1): 135 (1989): F. antaoensis.
- sansibarica  
subsp. macrosperma (Mildbr. & Burret) C.C. Berg in *Kew Bull.*, 43(1): 94 (1988): F. macrosperma.
- sarmentosa Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 45 (1810)—Nepal.

**FICUS** :-

- subsp. pubigera (Wall.) R.K. Gupta, *Living Himalayas*, 2: 376 (1989), without basionym ref.: Basionym not stated.
- scassellatii  
subsp. thikaensis C.C. Berg in *Kew Bull.*, 43(1): 95 (1988)—Kenya.
- semicordata Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 71 (1810)—Nepal.
- subincisa Buch. ex J.E. Smith in A. Rees, *Cyclop.*, 14: Ficus n. 91 (1810)—Nepal.
- tintoria  
var. cuspidifera (Miq.) V. Chithra in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 255 (1987): F. cuspidifera.
- tremula  
subsp. acuta (De Wild.) C.C. Berg in *Kew Bull.*, 43(1): 96 (1988): F. acuta.
- subsp. kimuenzensis (Warb.) C.C. Berg in *Kew Bull.*, 43(1): 96 (1988): F. kimuenzensis.
- virens  
var. wightiana (Miq.) V. Chithra in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 256 (1987): Urostigma wightianum.
- vittata M. Vázquez Avila in *Acta Amazonica*, 14(1-2 Suppl.): 211 (1984 publ. 1986)—Peru, Colombia, Ecuador.
- FILAGO** (Compos.).  
asterisciflora (Lam.) Sweet, *Hort. Brit.*, ed. 2: 294 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982): Basionym not stated.
- petro-ianii J. Rita & M. Dietrich in Davis & Hedge *Festschrift (ed. Kit Tan)*: 1 (1989)—Balearic Is.
- FILIPENDULA** (Rosac.).  
purpurea  
f. alba (Nakai) C.Y. Li in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 774 (1988): F. multijuga var. alba.
- ulmaria  
subsp. megalocarpa (Juz.) I.A. Shantser in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(6): 63 (1989): F. megalocarpa.

**FIMBRISTYLIS** (Cyperac.).

- arnhemensis P.K. Latz in *Nuytsia*, 7(2): 161 (1990)—Australia (N. Terr.).
- blakei P.K. Latz in *Nuytsia*, 7(2): 162 (1990)—Australia (N. Terr., W. Australia).
- caloptera P.K. Latz in *Nuytsia*, 7(2): 163 (1990)—Australia (N. Terr.).
- carolinii P.K. Latz in *Nuytsia*, 7(2): 164 (1990)—Australia (Queensland).
- composita P.K. Latz in *Nuytsia*, 7(2): 165 (1990)—Australia (N. Terr.).
- dichotoma  
f. cincta (Ohwi) T. Koyama in *J. Jap. Bot.*, 63(3): 93 (1988): F. tashiroana var. cincta.
- var. floribunda (Miquel) T. Koyama in *J. Jap. Bot.*, 63(3): 90 (1988): F. diphylla var. floribunda.
- f. gracillima T. Koyama in *J. Jap. Bot.*, 63(3): 92 (1988)—Japan.
- var. ochotensis (Meinshausen) T. Koyama in *J. Jap. Bot.*, 63(3): 92 (1988): Scirpus ochotensis.
- var. tentsuki T. Koyama in *J. Jap. Bot.*, 63(3): 91 (1988)—Japan, Korea, China.
- f. tentsuki T. Koyama in *J. Jap. Bot.*, 63(3): 91 (1988)—Japan, Korea, China.
- var. tikushiensis (Hayata) T. Koyama in *J. Jap. Bot.*, 63(3): 91 (1988): F. tikushiensis.
- dunlopia P.K. Latz in *Nuytsia*, 7(2): 166 (1990)—Australia (N. Terr.).
- hirsutifolia E. Govindarajulu in *Proc. Indian Acad. Sci., Pl. Sci.*, 100(1): 79 (1990)—India.
- junceae  
var. marquesana (Steud.) F.R. Fosberg in *J. Jap. Bot.*, 63(3): 83 (1988): F. marquesana.
- var. nukahivensis (Steud.) F.R. Fosberg in *J. Jap. Bot.*, 63(3): 82 (1988): F. nukahivensis.
- var. separanda (Steud. ex Jardin) F.R. Fosberg in *J. Jap. Bot.*, 63(3): 81 (1988): F. separanda.
- var. tertia (Steud. ex Jardin) F.R. Fosberg in *J. Jap. Bot.*, 63(3): 81 (1988): F. tertia.
- laxiglumis P.K. Latz in *Nuytsia*, 7(2): 167 (1990)—Australia (N. Terr., W. Australia).
- pseudomicrocarya E. Govindarajulu in *Proc. Indian Acad. Sci., Pl. Sci.*, 100(1): 77 (1990)—India.

**FIMBRISTYLIS** :-

- rupestris P.K. Latz in *Nuytsia*, 7(2): 167 (1990)—Australia (W. Australia, N. Terr.).
- sachetiana F.R. Fosberg in *J. Jap. Bot.*, 63(3): 83 (1988)—Marquesas Is.
- simulans P.K. Latz in *Nuytsia*, 7(2): 168 (1990)—Australia (N. Terr., W. Australia).

- FINDLAYA** S. Bowdich in T.E. Bowdich, Exc. Madeira: 258 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 61 (1980). **PLUMBAGINACEAE?**  
alba S. Bowdich in T.E. Bowdich, Exc. Madeira: 258 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 61 (1980)—Gambia.

**FIRMIANA** (Sterculiac.).

- colorata (Roxb.) R. Brown *Pterocymbium*: 235 (4 June 1844): Sterculia colorata.†
- subglabra (Abraham & Dutt) A.J.G.H. Kostermans in *Blumea*, 34(1): 118 (1989): F. colorata var. subglabra.

**FISCHERIA** (Asclepiadac.).

- billbergiana (Bewling) G. Morillo in *Ernstia*, 50: 13 (1988): Gonolobus billbergianus.

**FISSISTIGMA** (Annonac.).

- guianense Y. Wan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 145 (1986)—China.

**FITTINGIA** (Myrsinac.).

- carnosifolia H. Sleumer in *Blumea*, 33(1): 99 (1988)—Louisiane Archipelago.
- conferta (S. Moore) H. Sleumer in *Blumea*, 33(1): 98 (1988): Discocalyx conferta.
- tuberculata H. Sleumer in *Blumea*, 33(1): 97 (1988)—New Guinea (W. Irian, Papua New Guinea).

- FITZWILLIA** P.S. Short in *Muelleria*, 7(1): 111 (1989). **COMPOSITAE**.

- axilliflora (W.V. Fitzg. ex Ewart & J. White) P.S. Short in *Muelleria*, 7(1): 111 (1989): Angianthus axilliflorus.

**FLEISCHMANNIA** (Compos.).

- harlingii R.M. King & H. Robinson in *Phytologia*, 60(1): 81 (1986)—Ecuador.

**FLEMINGIA** (Legumin.).

- bhutanica A.J.C. Grierson in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 257 (1987)—Bhutan.
- macrophylla  
var. viridis (Prain) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 117 (1990): F. congesta var. viridis.

**FLICKINGERIA** (Orchidac.).

- crenicristata (Ridley) J.J. Wood in *Lindleyana*, 5(2): 101 (1990): Dendrobium crenicristatum.
- denigrata (J.J. Smith) J.J. Wood in *Lindleyana*, 5(2): 101 (1990): Dendrobium denigratum.
- flabelloides (J.J. Smith) J.J. Wood in *Lindleyana*, 5(2): 101 (1990): Dendrobium flabelloides.
- labangensis (J.J. Smith) J.J. Wood in *Lindleyana*, 5(2): 101 (1990): Dendrobium labangense.
- punctulosum (J.J. Sm.) J.J. Wood in *Kew Bull.*, 41(4): 819 (1986): Dendrobium punctulosum.
- tairukounia (Ying) T.P. Lin, *Native Orchids Taiwan*, 3: 85 (1987): Ephemera tairukounia.

- FLOSMUTISIA** J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 415 (1985 publ. 1986). **COMPOSITAE**.

- paramicola J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 417 (1985 publ. 1986)—Colombia.

**FLOURENSIA** (Compos.).

- cajabambensis M.O. Dillon in *Brittonia*, 38(1): 32 (1986)—Peru.

**FLUEGGEA** (Euphorbiac.).

- neowawraea W.J. Hayden in *Brittonia*, 39(2): 268 (1987), nom. nov.: Neowawraea phyllanthoides Rock.
- virosa  
subsp. himalaica D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 167 (1986)—Bhutan, Nepal, Sikkim, India, Assam, Burma.

**FOETIDIA** (Lecythidac.).

- capuronii *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 112 (1988)—Madagascar.
- cuneata *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 110 (1988)—Madagascar.
- delphinensis *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 108 (1988)—Madagascar.
- dracaenoides *Capuron ex J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 106 (1988)—Madagascar.
- macrocarpa *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 117 (1988)—Madagascar.
- var. amblobensis *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 119 (1988)—Madagascar.
- parviflora *Capuron ex J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 108 (1988)—Madagascar.
- pterocharpa *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 111 (1988)—Madagascar.
- rubescens *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 112 (1988)—Madagascar.
- sambiranensis *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 116 (1988)—Madagascar.
- vohemarensis *J. Bosser in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 114 (1988)—Madagascar.

**FORDIA** (Legumin.).

- microphylla *Dunn ex Z. Wei in Acta Phytotax. Sin.*, 27(1): 75 (1989)—China.
- splendidissima (*Blume ex Miq.*) *J.R.M. Buijsen in Blumea*, 33(1): 255 (1988): *Millettia splendidissima*.
- subsp. rheophytica *J.R.M. Buijsen in Blumea*, 33(1): 258 (1988)—Borneo (Sarawak).

**FORDIOPHYTON** (Melastomatac.).

- maculatum *C.Y. Wu ex Z. Wei & Y.B. Chang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 35 (1989)—China.

**FORMANODENDRON** K.C. Nixon & W.L. Crepet

- in *Amer. J. Bot.*, 76(6): 840 (1989). **FAGACEAE**.
- doichangensis (*Camus*) K.C. Nixon & W.L. Crepet in *Amer. J. Bot.*, 76(6): 840 (1989): *Quercus doichangensis*.

**FORSYTHIA** (Oleac.).

- mira *M.C. Chang in Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 16 (1987)—China.
- saxatilis
- var. lanceolata *S. Lee in Korean J. Pl. Taxon.*, 14(2): 91 (1984)—Korea.
- var. pilosa *S. Lee in Korean J. Pl. Taxon.*, 14(2): 92 (1984)—Korea.

**FOSTERELLA** (Bromeliac.).

- heterophylla *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 24 (1987)—Bolivia.

**FOVEOLINA** M. Källersjö in *Bot. J. Linn. Soc.*,

- 96(4): 316 (1988). **COMPOSITAE**.
- albida (*DC.*) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 319 (1988): *Tanacetum albidum*.
- albidiformis (*Thell.*) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 320 (1988): *Matricaria albidiformis*.
- dichotoma (*DC.*) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 319 (1988): *Pentzia dichotoma*.
- schinziana (*Thell.*) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 320 (1988): *Matricaria schinziana*.
- tenella (*DC.*) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 319 (1988): *Matricaria tenella*.

**FRAGARIA** (Rosac.).

- ×vescana *R. & A. Bauer in Osnabrücker Naturwiss. Mitt.*, 15: 53 (1989)—Cultivation.

**FRAILEA** (Cactac.).

- buenekeri *W.R. Abraham in Succulenta*, 69(3): 64 (1990)—Brazil.
- chrysacantha *V. Hrabě in Kaktusy (Brno)*, 65(Listopad-Prosinec): 131 (1965)—Locality not stated.

**FRANCISCODENDRON** B.P.M. Hyland & C.G.G.J. van Steenis in *Brunonia*, 10(2): 212 (1987). **STERCULIACEAE**.

- laurifolium (*F. Muell.*) B.P.M. Hyland & C.G.G.J. van Steenis in *Brunonia*, 10(2): 212 (1987): *Sterculia laurifolia*.

**FRAXINUS** (Oleac.).

- americana
- f. barrii *W.H. Wagner in Mich. Bot.*, 27(4): 130 (1988)—U.S.A. (Michigan).
- angustifolia
- var. ramosa *B. Kevey in Bot. Közlem.*, 74-75(1-2): 97 (1987-88 publ. 1988), without type—Hungary.
- caudata *J.L. Wu in J. Wuhan Bot. Res.*, 5(4): 350 (1987), nom. nov., as 'caudala': *F. chinensis* var. *acuminata* *Lingelsh.*
- fallax
- var. stylosa (*Lingelsh.*) *Chu & J.L. Wu in J. Wuhan Bot. Res.*, 5(4): 348 (1987): *F. stylosa*.
- mandshurica
- subsp. brevipedicellata *S.Z. Qu & T.C. Cui in Acta Bot. Bor.-Occid. Sin.*, 8(2): 130 (1988)—China.
- medicinalis *S.S. Sun in Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 51 (1988)—China.
- nanchuanensis *S.S. Sun & J.L. Wu in Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 33 (1989)—China.
- rhynchophylla
- var. hopeiensis (*Tang*) *Chu ex J.Z. Liu in Fl. Hebeiensis*, 2: 323 (1988): *F. hopeiensis*.
- var. huashanensis *J.L. Wu & Z.W. Xie in J. Wuhan Bot. Res.*, 5(4): 353 (1987)—China.
- sogdiana *A. Bunge, Beitr. Fl. Russl.*: 214 (1852)—U.S.S.R. (Middle Asia).†

**FREZIERA** (Theac.).

- carinata *A.L. Weitzman in J. Arnold Arbor.*, 68(3): 325 (1987)—Venezuela.
- echinata *A.L. Weitzman in J. Arnold Arbor.*, 68(3): 328 (1987)—Colombia.
- minima *A.L. Weitzman in J. Arnold Arbor.*, 68(3): 331 (1987)—Ecuador.
- stuebelii (*Hieron.*) *A.L. Weitzman in J. Arnold Arbor.*, 68(3): 333 (1987): *Taonabo stuebelii*.

**FRIEDRICHSTHALIA** (Boraginac.).

- schimperii *Bunge, Del. Sem. Hort. Bot. Dorpat.*, 1843: 7 (1843); cf. *D.J. Mabberley in Taxon*, 32(1): 85 (1983)—Locality not stated.

**FRITILLARIA** (Liliac.).

- sect. Alpinea *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 144 (1987).
- ser. Anhuiensis *Y.K. Yang & J.Z. Shao in J. Wuhan Bot. Res.*, 5(2): 145 (1987).
- sect. Davida *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 145 (1987).
- ser. Delavayae *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 145 (1987).
- ser. Fuscae *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 145 (1987).
- ser. Imperialiae *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 144 (1987).
- sect. Maximowiczia *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 146 (1987).
- sect. Rosulia *Y.K. Yang & J.Z. Shao in J. Wuhan Bot. Res.*, 5(2): 145 (1987).
- ser. Wuyangensis *Y.K. Yang & Z.Y. Gao in J. Wuhan Bot. Res.*, 5(2): 146 (1987).
- ser. Zhufenense *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 144 (1987).
- amoena *C.Y. Yang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 173 (1986)—Xinjiang.
- anhuiensis
- var. albiflora *S.C. Chen & S.F. Yin in Acta Bot. Yunnanica*, 7(3): 307 (1985)—China.
- f. jinzhaensis *Y.K. Yang & J.Z. Shao in J. Wuhan Bot. Res.*, 5(2): 143 (1987)—China.
- austroanhuiensis *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 44 (1985)—China.

**FRITILLARIA** :-

- borealexingjiangensis *Y.K. Yang, S.X. Zhang & G.J. Liu in J. Wuhan Bot. Res.*, 5(2): 128 (1987), as 'boreali-xingjiangensis'—Xinjiang.
- chekiangensis (*Hsiao & K.C. Hsia*) *Y.K. Yang, Z.H. Lin & C. Lin in J. Wuhan Bot. Res.*, 5(2): 143 (1987): *F. thunbergii* var. *chekiangensis*.
- chuanbeiensis *Y.K. Yang, D.H. Jiang & Y.H. Yang in J. Wuhan Bot. Res.*, 5(2): 137 (1987)—China.
- var. huyabeimu *Y.K. Yang & D.H. Jiang in J. Wuhan Bot. Res.*, 5(2): 138 (1987)—China.
- chuanganensis *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 28 (1985), with two types cited—China.
- var. glabra (*P.Y. Li*) *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 30 (1985): *F. cirrhosa* f. *glabra*.
- cirrhosa
- var. brevistigma *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 36 (1985)—China.
- var. dingriensis *Y.K. Yang & J.Z. Zhang in Acta Bot. Bor.-Occid. Sin.*, 5(1): 34 (1985)—Xizang.
- var. jilongensis *Y.K. Yang & Gesan in Acta Bot. Bor.-Occid. Sin.*, 5(1): 34 (1985), with two types cited—Xizang.
- delavayi
- var. banmaensis *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 24 (1985)—China.
- duilongdeqingensis *Y.K. Yang & Gesan in Acta Bot. Bor.-Occid. Sin.*, 5(1): 30 (1985)—Xizang.
- fujianensis *Y.K. Yang, D.H. Jiang & Y.H. Yu in J. Wuhan Bot. Res.*, 5(2): 139 (1987)—China.
- gansuensis *S.C. Chen & G.D. Yu in Acta Bot. Yunnanica*, 7(2): 148 (1985)—China.
- halabulanica *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 25(1): 57 (1987)—Xinjiang.
- heboksarensis *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 25(1): 62 (1987)—Xinjiang.
- himalica *Y.K. Yang, Y.Q. Ye et al. in J. Wuhan Bot. Res.*, 5(2): 126 (1987)—Xizang.
- huangshanensis *Y.K. Yang & C.J. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 41 (1985)—China.
- f. tonglingensis (*S.C. Chen & S.F. Yin*) *Y.K. Yang & Y.H. Zhang in J. Wuhan Bot. Res.*, 5(2): 141 (1987): *F. monantha* var. *tonglingensis*.
- ionica
- var. ochridana *K. Micevski in Acta Bot. Croat.*, 37: 212 (1978)—Yugoslavia.
- karelinii
- var. albiflora *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 25(1): 63 (1987)—Xinjiang.
- kittaniae *F. Sorger in Herbertia*, 43(2): 38 (1987 publ. 1988)—Turkey.
- lanzhouensis *Y.K. Yang, P.P. Ling & G. Yao in J. Wuhan Bot. Res.*, 5(2): 132 (1987)—China.
- lhiinzeensis *Y.K. Yang, Y.Q. Ye et al. in J. Wuhan Bot. Res.*, 5(2): 126 (1987)—Xizang.
- lishiensis *Y.K. Yang & J.K. Wu in J. Wuhan Bot. Res.*, 5(2): 134 (1987)—China.
- var. yichengensis *Y.K. Yang & P.P. Ling in J. Wuhan Bot. Res.*, 5(2): 135 (1987)—China.
- lixianensis *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 25 (1985)—China.
- meleagroides
- var. flavovirens *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 25(1): 58 (1987)—Xinjiang.
- var. plena *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 27(4): 309 (1989)—Xinjiang.
- var. rhodantha *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 27(4): 309 (1989)—Xinjiang.
- monantha
- var. ningguoica *Y.K. Yang & M.M. Fang in J. Wuhan Bot. Res.*, 5(2): 143 (1987)—China.
- ningguoensis *S.C. Chen & S.F. Yin in Acta Bot. Yunnanica*, 7(3): 306 (1985)—China.
- pallidiflora
- var. plena *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 27(4): 306 (1989)—Xinjiang.
- parvialbiflora
- var. viridicaulinis *X.Z. Duan & X.J. Zheng in Acta Phytotax. Sin.*, 27(4): 308 (1989)—Xinjiang.
- pingwuensis *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 26 (1985)—China.
- przewalskii
- var. discolor *Y.K. Yang & Y.S. Zhou in Acta Bot. Bor.-Occid. Sin.*, 5(1): 40 (1985)—China.
- f. emacula *Y.K. Yang & J.K. Wu in Acta Bot. Bor.-Occid. Sin.*, 5(1): 40 (1985)—China.

**FRITILLARIA :-**

- var. gannanica* Y.K. Yang & J.Z. Ren in *J. Wuhan Bot. Res.*, 5(2): 132 (1987)—China.
- var. longistigma* Y.K. Yang & J.K. Wu in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 36 (1985)—China.
- var. tessellata* Y.K. Yang & Y.S. Zhou in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 39 (1985)—China.
- qingchuanensis Y.K. Yang & J.K. Wu in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 25 (1985)—China.
- rhodocanakis
- subsp. argolica* E. Zaharof in *Willdenowia*, 16(2): 348 (1987)—Greece.
- rixii E. Zaharof in *Nordic J. Bot.*, 6(6): 727 (1986)—Greece.
- shaanxiica Y.K. Yang, S.X. Zhang & D.K. Zhang in *J. Wuhan Bot. Res.*, 5(2): 133 (1987)—China.
- shennongjiaensis Y.K. Yang & Z. Zheng in *J. Wuhan Bot. Res.*, 5(2): 136 (1987), with two types cited—China.
- var. zhengbaensis* Y.K. Yang & J.X. Yang in *J. Wuhan Bot. Res.*, 5(2): 137 (1987)—China.
- shuchengensis Y.K. Yang, D.Q. Wang & J.Z. Shao in *J. Wuhan Bot. Res.*, 5(2): 140 (1987)—China.
- tachengensis X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 25(1): 61 (1987)—Xinjiang.
- var. nivea* Y.K. Yang & S.X. Zhang in *J. Wuhan Bot. Res.*, 5(2): 129 (1987)—Xinjiang.
- taipaiensis
- var. fengxianensis* Y.K. Yang & J.K. Wu in *J. Wuhan Bot. Res.*, 5(2): 134 (1987)—China.
- var. ningxiaensis* Y.K. Yang & J.K. Wu in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 32 (1985)—China.
- f. platyphylla* Y.K. Yang & S.X. Zhang in *J. Wuhan Bot. Res.*, 5(2): 134 (1987)—China.
- var. wanyuanensis* Y.K. Yang & J.K. Wu in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 32 (1985), with two types cited—China.
- var. yuxiensis* Y.K. Yang, Z.Y. Gao & C.S. Zhou in *J. Wuhan Bot. Res.*, 5(2): 135 (1987)—China.
- var. zhouquensis* S.C. Chen & G.D. Yu in *Acta Bot. Yunnanica*, 7(2): 149 (1985)—China.
- tianshanica Y.K. Yang & L.R. Hsu in *J. Wuhan Bot. Res.*, 5(2): 127 (1987)—Xinjiang.
- tortifolia X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 25(1): 59 (1987)—Xinjiang.
- var. albiflora* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 307 (1989)—Xinjiang.
- var. barlikensis* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 308 (1989)—Xinjiang.
- var. citrina* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 25(1): 60 (1987)—Xinjiang.
- var. parviflora* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 307 (1989)—Xinjiang.
- var. plena* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 307 (1989)—Xinjiang.
- var. wusunica* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 308 (1989)—Xinjiang.
- unibracteata
- var. ganziensis* Y.K. Yang & J.K. Wu in *J. Wuhan Bot. Res.*, 5(2): 137 (1987)—China.
- verticillata
- var. jimunaica* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 25(1): 61 (1987)—Xinjiang.
- walujewii
- var. plena* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 306 (1989)—Xinjiang.
- var. shawanensis* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 306 (1989)—Xinjiang.
- wanjiangensis Y.K. Yang, J.Z. Shao & Y.H. Zhang in *J. Wuhan Bot. Res.*, 5(2): 141 (1987)—China.
- wenxianensis Y.K. Yang & J.K. Wu in *J. Wuhan Bot. Res.*, 5(2): 129 (1987)—China.
- xiaobeimu Y.K. Yang, J.Z. Shao & M.M. Fang in *J. Wuhan Bot. Res.*, 5(2): 142 (1987)—China.
- xibeensis Y.K. Yang, C.X. Feng & H.Z. Yang in *J. Wuhan Bot. Res.*, 5(2): 130 (1987)—China.
- xinyuanensis Y.K. Yang & J.K. Wu in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 40 (1985)—Xinjiang.
- xizangensis Y.K. Yang & Gesan in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 22 (1985), with two types cited—Xizang.
- yuminensis
- var. albiflora* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 308 (1989)—China.
- var. roseoflora* X.Z. Duan & X.J. Zheng in *Acta Phytotax. Sin.*, 27(4): 309 (1989)—Xinjiang.
- var. varians* Y.K. Yang & G.J. Liu in *J. Wuhan Bot. Res.*, 5(2): 129 (1987)—Xinjiang.

**FRITILLARIA :-**

- yuzhongensis G.D. Yu & Y.S. Zhou in *Acta Bot. Yunnanica*, 7(2): 146 (1985)—China.
- zhufenensis Y.K. Yang & J.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 5(1): 21 (1985)—Xizang.

**FRONDARIA** C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 29 (1986). ORCHIDACEAE.

- caulescens (Lindl.) C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 29 (1986): Pleurothallis caulescens.

**FUCHSIA** (Onagrac.).

- sect. Pachyrrhiza* P.E. Berry & B.A. Stein in *Syst. Bot.*, 13(4): 483 (1988).
- brevilobis* P.E. Berry in *Ann. Missouri Bot. Gard.*, 76(2): 552 (1989)—Brazil.
- hatschbachii* P.E. Berry in *Ann. Missouri Bot. Gard.*, 76(2): 559 (1989)—Brazil.
- pachyrrhiza* P.E. Berry & B.A. Stein in *Syst. Bot.*, 13(4): 484 (1988)—Peru.
- regia
- subsp. reitzii* P.E. Berry in *Ann. Missouri Bot. Gard.*, 76(2): 577 (1989)—Brazil.
- subsp. serrae* P.E. Berry in *Ann. Missouri Bot. Gard.*, 76(2): 573 (1989)—Brazil.

**FUIRENA** (Cyperac.).

- obcordata P.L. Forbes in *S. Afr. J. Bot.*, 52(3): 238 (1986), sp. nov. without latin descr.; et in *S. Afr. J. Bot.*, 53(2): 185 (1987)—South Africa (Natal, Transvaal), Mozambique, Namibia.

**FUMANA** (Cistac.).

- thymifolia
- subsp. laevis* (Cav.) J. Molero & A.M. Rovira in *Candollea*, 42(2): 524 (1987): Cistus laevis.

**FUMARIA** (Papaverac.).

- barnolae
- subsp. algerica* (Hausskn.) M. Lidén in *Op. Bot.*, 88: 50 (1986): F. agraria var. algerica.
- capitata M. Lidén in *Op. Bot.*, 88: 69 (1986)—Algeria.
- erostata (Pugsley) M. Lidén in *Op. Bot.*, 88: 56 (1986): F. agraria var. erostata.
- judaica
- subsp. amarysia* (Boiss. & Heldr.) M. Lidén in *Op. Bot.*, 88: 49 (1986): F. amarysia.
- subsp. insignis* (Pugsley) M. Lidén in *Op. Bot.*, 88: 48 (1986): F. judaica var. insignis.
- macrocarpa
- subsp. cyrenaica* M. Lidén in *Op. Bot.*, 88: 48 (1986)—Libya.
- macrosepala
- subsp. macrocarpa* M. Lidén in *Op. Bot.*, 88: 63 (1986)—Morocco.
- subsp. megasepala* (Pau) M. Lidén in *Op. Bot.*, 88: 64 (1986): F. megasepala.
- subsp. obscura* (Pugsley) M. Lidén in *Op. Bot.*, 88: 64 (1986): F. macrosepala var. obscura.
- mairi
- subsp. saxicola* M. Lidén in *Op. Bot.*, 88: 70 (1986)—Algeria.
- muralis
- var. major* (Boreau) P.D. Sell in *Watsonia*, 18(1): 92 (1990): F. bastardii var. major.
- officinalis
- subsp. cilicica* (Hausskn.) M. Lidén in *Op. Bot.*, 88: 83 (1986): F. cilicica.
- ouezzanensis
- subsp. ramosa* M. Lidén in *Op. Bot.*, 88: 75 (1986)—Morocco.
- platycarpa M. Lidén in *Op. Bot.*, 88: 87 (1986)—Algeria.
- rifana M. Lidén in *Op. Bot.*, 88: 76 (1986)—Morocco.
- rupestris
- subsp. bifrons* (Pugsley) M. Lidén in *Op. Bot.*, 88: 60 (1986): F. bifrons.
- subsp. calycina* M. Lidén in *Op. Bot.*, 88: 59 (1986)—Morocco.
- subsp. micranthifolia* (Pugsley) M. Lidén in *Op. Bot.*, 88: 60 (1986): F. micranthifolia.
- subsp. pulchra* M. Lidén in *Op. Bot.*, 88: 58 (1986)—Morocco.
- schleicheri
- subsp. microcarpa* (Hausskn.) M. Lidén in *Op. Bot.*, 88: 91 (1986): F. schleicheri var. microcarpa.

**FUMARIA :-**

- sepium
- subsp. rugosa* M. Lidén in *Op. Bot.*, 88: 75 (1986)—Morocco.
- skottsbergii M. Lidén in *Op. Bot.*, 88: 57 (1986)—Morocco.

**FURCATELLA** M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 4: 103 (1988 publ. Jan. 1989), nom. nov., without replaced synonym ref.; et Syst. Fl. Neu-Caledonien, 5: 98 (May 1989), without replaced synonym ref.: Urugoga § Forcipella Baill. (Rubiace.).

- rupicola (Baill.) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 4: 103 (1988 publ. Jan. 1989), without basionym ref.; et Syst. Fl. Neu-Caledonien, 5: 98 (May 1989), with basionym ref., generic name not validly publ.: Urugoga rupicola.

**FUSISPERMUM** (Violac.).

- laxiflorum W.H.A. Hekking in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(2): 124 (1984)—Panama.

**G****GAERTNERA** (Rubiace.).

- godefroyana E. Jacob de Cordemoy, Fl. L'île de la Réunion: 469 (1895)—Réunion.
- laxiflora E. Jacob de Cordemoy, Fl. L'île de la Réunion: 470 (1895)—Réunion.

**GAGEA** (Liliac.).

- ser. Capillifoliae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 230 (1990).
- ser. Capusiiformes* I.G. Levichev in *Bot. Zhurn.*, 75(2): 228 (1990).
- ser. Chomutovaeformes* I.G. Levichev in *Bot. Zhurn.*, 75(2): 230 (1990).
- sect. Graminifoliae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 231 (1990).
- ser. Granulosae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 228 (1990).
- sect. Incrustatae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 232 (1990).
- sect. Minimoides* (Terr.) I.G. Levichev in *Bot. Zhurn.*, 75(2): 229 (1990): G. group Minimoides.
- ser. Minutae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 231 (1990).
- ser. Olgaeformes* I.G. Levichev in *Bot. Zhurn.*, 75(2): 233 (1990).
- ser. Persicae* I.G. Levichev in *Bot. Zhurn.*, 75(2): 230 (1990).
- ser. Stipitatae* (Pasch.) I.G. Levichev in *Bot. Zhurn.*, 75(2): 230 (1990): G. Reihe Stipitatae.
- ser. Vvedenskyiformes* I.G. Levichev in *Bot. Zhurn.*, 75(2): 232 (1990).
- ×absurda I.G. Levichev in *Bot. Zhurn.*, 75(5): 665 (1990)—U.S.S.R. (Middle Asia). (G. chomutovae × subtilis).
- angrenica I.G. Levichev in *Bot. Zhurn.*, 73(11): 1618 (1988)—U.S.S.R. (Middle Asia).
- anonyma K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 288 (1986)—Iran, Afghanistan.
- azutavica Yu.A. Kotukhov in *Bot. Zhurn.*, 74(11): 1663 (1989)—U.S.S.R. (Siberia).
- chloroneura K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 290 (1986)—Afghanistan.
- czatkalia I.G. Levichev in *L.S. Krasovskaya & I.G. Levichev, Fl. Chatkal'skogo Zapovednika*: 155 (1986)—U.S.S.R. (Middle Asia).
- foliosa
- subsp. nevadensis* (Boiss.) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 95 (1987 publ. 1988): G. nevadensis.
- fragifera (Vill.) E. Bayer & G. López González in *Taxon*, 38(4): 643 (1989): Ornithogalum fragiferum.
- grey-wilsonii K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 290 (1986)—Iran.
- humicola I.G. Levichev in *L.S. Krasovskaya & I.G. Levichev, Fl. Chatkal'skogo Zapovednika*: 158 (1986)—U.S.S.R. (Middle Asia).

**GAGEA** :-

- ignota I.G. Levichev in L.S. Krasovskaya & I.G. Levichev, *Fl. Chatkal'skogo Zapovednika*: 160 (1986)—U.S.S.R. (Middle Asia).  
 kuraminica I.G. Levichev in *Bot. Zhurn.*, 73(11): 1617 (1988)—U.S.S.R. (Middle Asia).  
 lasczynskii N.I. Zolotukhin in *Fl. Sibir. (Arac.-Orchidac.)*: 52 (1987)—U.S.S.R. (Siberia).  
 lutea  
   *f. bulbifera* I.G. Zoz & E.S. Kul'tenko in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 129 (1976 publ. 1977), without type—U.S.S.R. (Ukraine).  
 olgae  
   *f. dilatata* I.G. Levichev in L.S. Krasovskaya & I.G. Levichev, *Fl. Chatkal'skogo Zapovednika*: 163 (1986)—U.S.S.R. (Middle Asia).  
 persica  
   *var. kashmiriensis* (Turrill) S. Dasgupta & D.B. Deb in *J. Bombay Nat. Hist. Soc.*, 83(1): 87 (1986); *G. kashmiriensis*.  
 pineticola M.V. Klokov in *Ucheni Zap. Kharkiv. Derzhav. Univ.*, 4: 63 (1936)—U.S.S.R. (Ukraine).  
 rufidula I.G. Levichev in *Bot. Zhurn.*, 73(11): 1622 (1988)—U.S.S.R. (Middle Asia).  
 rupicola I.G. Levichev in L.S. Krasovskaya & I.G. Levichev, *Fl. Chatkal'skogo Zapovednika*: 163 (1986)—U.S.S.R. (Middle Asia).  
 siphonantha K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 289 (1986)—Afghanistan.  
 soleimani (Borrm. ex Pascher) K.H. Rechinger in *Fl. Iran.*, 165: 43 (1990); *G. uliginosa* var. *soleimani*.  
 soleirolii  
   *subsp. nevadensis* (Boiss.) E. Bayer & G. López González in *Taxon*, 38(4): 644 (1989); *G. nevadensis*.  
 staintonii K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 289 (1986)—Pakistan, Afghanistan.  
 stipitata Mercklin in A. Bunge, *Beitr. Fl. Russl.*: 336 (1852)—U.S.S.R. (Middle Asia).  
 talassica I.G. Levichev in *Bot. Zhurn.*, 73(11): 1620 (1988)—U.S.S.R. (Middle Asia).  
 toktogulii I.G. Levichev in *Bot. Zhurn.*, 73(11): 1621 (1988)—U.S.S.R. (Middle Asia).  
 toppinii S. Dasgupta & D.B. Deb in *J. Bombay Nat. Hist. Soc.*, 83(1): 93, 164 (1986)—Pakistan.  
 ×turana I.G. Levichev in *Bot. Zhurn.*, 75(5): 663 (1990)—U.S.S.R. (Middle Asia). (*G. ova* × *stipitata*).  
 ×vaga I.G. Levichev in *Bot. Zhurn.*, 75(5): 665 (1990)—U.S.S.R. (Middle Asia). (*G. bulbifera* × *rufidula*).  
 wendelboi K.H. Rechinger in *Pl. Syst. Evol.*, 153(3-4): 291 (1986)—Iran.

**GAGNEBINA** (Legumin.).

- commersoniana  
   *var. aldabrensis* G.P. Lewis & Ph. Guinet in *Kew Bull.*, 41(2): 465 (1986)—Aldabra Archipelago.  
   *var. calcicola* (R. Vig.) G.P. Lewis & Ph. Guinet in *Kew Bull.*, 41(2): 465 (1986); *G. commersoniana* subsp. *calcicola*.  
 myriophylla (Baker) G.P. Lewis & Ph. Guinet in *Kew Bull.*, 41(2): 469 (1986); *Dichrostachys myriophylla*.  
 pervilleana (Baill.) G.P. Lewis & Ph. Guinet in *Kew Bull.*, 41(2): 469 (1986); *Desmanthus pervilleanus*.

**GAHNIA** (Cyperac.).

- vitiensis  
   *subsp. kauaiensis* (Benl) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 126 (1989); *G. kauaiensis*.

**GAILLONIA** (Rubiace.).

- chitralensis S. Nazimuddin in *Fl. Pakistan*, 190: 106 (1989)—Pakistan.

**GALACTIA** (Legumin.).

- densiflora M.T. Germán R. & M. Sousa S. in *Iselya*, 2(3): 109 (1985)—Mexico.  
 microphylla (Chapman) Rogers ex D. Isely in *Brittonia*, 38(4): 354 (1986); *G. floridana* var. *microphylla*.

**GALARHOEUS** (Euphorbiac.).

- pseudagrarius (P. Smirn.) Ya.I. Prokhanov in *Trudy Kuibyshevsk. Bot. Sada*, 1: 68 (1941); *Euphorbia pseudagraria*.

**GALARHOEUS** :-

- zhiguliensis Ya.I. Prokhanov in *Trudy Kuibyshevsk. Bot. Sada*, 1: 64 (1941)—U.S.S.R. (European Russia).

**GALEARIS** (Orchidac.).

- spectabilis  
   *f. albiflora* (Ulke) C.F. Reed in *Phytologia*, 63(5): 410 (1987); *Orchis spectabilis* f. *albiflora*.

**GALEOBDOLON** (Labiata.).

- caucasicum A.P. Khokhryakov in *Byull. Glavn. Bot. Sada (Moscow)*, 152: 62 (1989)—U.S.S.R. (Caucasus), Turkey, Iran.

**GALEOMMA** (Compos.).

- stenolepis (S. Moore) O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 13 (1983); *Gnaphalium stenolepis*.

**GALEOPSIS** (Labiata.).

- ladanum  
   *subsp. cebennensis* (Br.-Bl.) M. Kerguelen in *Lejeunea*, 120: 103 (1987); *G. intermedia* subsp. *cebennensis*.

**GALEOTTIA** (Orchidac.).

- acuminata (C. Schweinf.) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 221 (1988 publ. 1989); *Zygopetalum acuminatum*.  
 antioquiiana (Kränzl.) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 221 (1988 publ. 1989); *Batemannia antioquiiana*.  
 burkei (Reichb. f.) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 221 (1988 publ. 1989); *Zygopetalum burkei*.  
 ciliata (Morel) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 221 (1988 publ. 1989); *Zygopetalum ciliatum*.  
 colombiana (Garay) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 222 (1988 publ. 1989); *Mendoncella colombiana*.  
 marginata (Garay) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 222 (1988 publ. 1989); *Zygopetalum marginatum*.  
 prainiana (Rolf) Dressler & E.A. Christenson in *Lindleyana*, 3(4): 222 (1988 publ. 1989); *Zygopetalum prainianum*.

**GALINIERA** (Rubiace.).

- saxifraga (A. Rich.) D. Bridson in *Fl. Trop. E. Afr. Rubiac. (Part 2)*: 696 (1988); *Pouchetia saxifraga*.

**GALINSOGA** (Compos.).

- spellenbergii B.L. Turner in *Phytologia*, 59(2): 91 (1986)—Mexico.

**GALIPEA** (Rutac.).

- granulosa J.A. Kallunki in *Brittonia*, 40(3): 241 (1988)—Nicaragua, Costa Rica.

**GALIMUM** (Rubiace.).

- absurdum F. Krendl in *Bot. Chronika*, 6-7: 108 (1986-87 publ. 1987)—Greece.  
 advenum F. Krendl in *Bot. Chronika*, 6-7: 152 (1986-87 publ. 1987)—Greece.  
 agrophilum F. Krendl in *Bot. Chronika*, 6-7: 49 (1986-87 publ. 1987)—Greece, Turkey.  
 album  
   *f. pubescens* (Schrud.) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 65 (1989); *G. mollugo* f. *pubescens*.  
 antuneziae L.T. Dempster in *Madroño*, 35(1): 1 (1988)—Peru.  
 arequipicum L.T. Dempster in *Allertonia*, 5(3): 318 (1990)—Peru.  
 asperifolium  
   *var. lasiocarpum* W.C. Chen in *Acta Phytotax. Sin.*, 28(4): 303 (1990)—China.  
   *var. obovatum* S. Nazimuddin in *Fl. Pakistan*, 190: 83 (1989)—Pakistan.  
 asperuloides  
   *subsp. hoffmeisteri* (Klotzsch) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 201 (1979); *Asperula hoffmeisteri*.  
 avasense F. Krendl in *Bot. Chronika*, 6-7: 80 (1986-87 publ. 1987)—Greece.  
 boreale  
   *var. lancilimum* W.C. Chen in *Acta Phytotax. Sin.*, 28(4): 302 (1990)—China, Xinjiang.

**GALIMUM** :-

- boreoaethiopicum C. Puff in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 411 (1989), as 'boreo-aethiopicum'—Ethiopia.  
 bourgeanum  
   *subsp. maroccanum* (Ball) J.M. Montserrat in *Treb. Inst. Bot. Barcelona*, 11: 24 (1987); *G. bourgeanum* var. *maroccanum*.  
 breviramsum F. Krendl in *Bot. Chronika*, 6-7: 67 (1986-87 publ. 1987)—Yugoslavia, Greece.  
 brockmannii  
   *subsp. atterratense* A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 231 (1989)—Spain.  
 buchtienii L.T. Dempster in *Allertonia*, 5(3): 301 (1990)—Bolivia.  
 cajamarcense L.T. Dempster in *Madroño*, 35(1): 3 (1988)—Peru.  
 campylotrichum S. Nazimuddin & F. Ehrendorfer in *Pl. Syst. Evol.*, 155(1-4): 73 (1987)—Pakistan.  
 capreum F. Krendl in *Bot. Chronika*, 6-7: 119 (1986-87 publ. 1987)—Greece.  
 chitralensis S. Nazimuddin in *Fl. Pakistan*, 190: 69 (1989)—Pakistan.  
 circae F. Krendl in *Bot. Chronika*, 6-7: 70 (1986-87 publ. 1987)—Greece.  
 conforme F. Krendl in *Bot. Chronika*, 6-7: 91 (1986-87 publ. 1987)—East Aegean Is., Rhodes, Greece.  
 crassifolium W.C. Chen in *Acta Phytotax. Sin.*, 28(4): 299 (1990)—China.  
 decorum F. Krendl in *Bot. Chronika*, 6-7: 133 (1986-87 publ. 1987)—Greece.  
 demissum  
   *subsp. stajanovii* (Deg.) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 87 (1989); *G. stajanovii*.  
 densiflorum  
   *var. rosmarinifolium* (Bunge) N.N. Tsvelev in *Arktich. Fl. SSSR*, 10: 18 (1987); *G. verum* var. *rosmarinifolium*.  
   *var. saurensae* (Litv.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 23: 158 (1986); *G. saurensae*.  
 elegans  
   *var. nephrostigmaticum* (Diels) W.C. Chen in *Acta Phytotax. Sin.*, 28(4): 301 (1990); *G. nephrostigmaticum*.  
   *f. vestitum* (D. Don) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 201 (1979); *G. vestitum*.  
 espinaciicum L.T. Dempster in *Allertonia*, 5(3): 299 (1990)—Brazil.  
 exaltatum F. Krendl in *Bot. Chronika*, 6-7: 46 (1986-87 publ. 1987)—Greece.  
 extensum F. Krendl in *Bot. Chronika*, 6-7: 89 (1986-87 publ. 1987)—Crete.  
 fosbergii L.T. Dempster in *Madroño*, 35(1): 3 (1988)—Ecuador.  
 gymnopetalum F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 155(1-4): 78 (1987)—India.  
 hatschbachii L.T. Dempster in *Allertonia*, 5(3): 303 (1990)—Brazil.  
 hellenicum F. Krendl in *Bot. Chronika*, 6-7: 73 (1986-87 publ. 1987)—Greece, Bulgaria, Yugoslavia.  
 humifusum  
   *var. confertum* (C. Koch) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 60 (1989); *Asperula humifusa* var. *conferta*.  
   *var. diffusum* (C. Koch) M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 60 (1989); *Asperula humifusa* var. *diffusa*.  
 hypocarpium  
   *subsp. alluviale* (Ehrend.) L.T. Dempster in *Allertonia*, 5(3): 315 (1990); *Relbunium hypocarpium* subsp. *alluviale*.  
   *subsp. buxifolium* (K. Schum.) L.T. Dempster in *Allertonia*, 5(3): 315 (1990); *Relbunium buxifolium*.  
   *subsp. gracillimum* (Ehrend.) L.T. Dempster in *Allertonia*, 5(3): 317 (1990); *Relbunium gracillimum*.  
   *subsp. indecorum* (Cham. & Schlechtendal) L.T. Dempster in *Allertonia*, 5(3): 317 (1990); *Rubia indecora*.  
   *subsp. titicacum* L.T. Dempster in *Allertonia*, 5(3): 318 (1990)—Bolivia.  
 insulare F. Krendl in *Bot. Chronika*, 6-7: 56 (1986-87 publ. 1987)—Greece.



**GALIMUM :-**

- irinae M.G. Pakhomova in *Opred. Rast. Sred. Azii*, 9: 367 (1987)—U.S.S.R. (Middle Asia).  
 kasachstanicum M.G. Pakhomova in *Opred. Rast. Sred. Azii*, 9: 368 (1987)—U.S.S.R. (Middle Asia).  
 kurramensis S. Nazimuddin in *Fl. Pakistan*, 190: 57 (1989)—Pakistan.  
 lahulense F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 155(1-4): 79 (1987)—India.  
 macedonicum F. Krendl in *Bot. Chronika*, 6-7: 121 (1986-87 publ. 1987)—Yugoslavia, Bulgaria, Greece.  
 mahadivense G. Singh in G. Singh & P. Kachroo, *Forest Fl. Srinagar*: 125 (1987), as 'mahadivensis'—India.  
 malickyi F. Krendl in *Bot. Chronika*, 6-7: 150 (1986-87 publ. 1987)—Greece.  
 mexicanum  
   *var. asperrimum* (Gray) L.C. Higgins & S.L. Welsh in *Great Basin Nat.*, 46(2): 260 (1986): G. asperrimum.  
 mixtum F. Krendl in *Bot. Chronika*, 6-7: 105 (1986-87 publ. 1987)—Greece.  
 monasterium F. Krendl in *Bot. Chronika*, 6-7: 98 (1986-87 publ. 1987)—Greece.  
 muelleri (K. Schum.) L.T. Dempster in *Allertonia*, 5(3): 328 (1990): Relbunium muelleri.  
 nepalense F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 155(1-4): 82 (1987)—Nepal.  
 nigro-ramosum (Ehrend.) L.T. Dempster in *Allertonia*, 5(3): 300 (1990): Relbunium nigro-ramosum.  
 noxium (A. St. Hil.) L.T. Dempster in *Allertonia*, 5(3): 292 (1990): Rubia noxia.  
   *subsp. valantioides* (Cham. & Schlechtendal) L.T. Dempster in *Allertonia*, 5(3): 295 (1990): Rubia valantioides.  
 ophiolithicum F. Krendl in *Bot. Chronika*, 6-7: 104 (1986-87 publ. 1987)—Greece.  
 oreophilum F. Krendl in *Bot. Chronika*, 6-7: 94 (1986-87 publ. 1987)—Greece, Yugoslavia, Albania.  
 ostenianum (Standl.) L.T. Dempster in *Allertonia*, 5(3): 330 (1990): Relbunium ostenianum.  
 paradoxum  
   *subsp. duthiei* F. Ehrendorfer & E. Schönbeck-Temesy in *Davis & Hedge Festschrift* (ed. Kit Tan): 113 (1989)—Nepal, Sikkim, India, China.  
   *subsp. franchetianum* F. Ehrendorfer & E. Schönbeck-Temesy in *Davis & Hedge Festschrift* (ed. Kit Tan): 113 (1989)—Japan.  
 pastorale F. Krendl in *Bot. Chronika*, 6-7: 139 (1986-87 publ. 1987)—East Aegean Is.  
 pisoderium F. Krendl in *Bot. Chronika*, 6-7: 65 (1986-87 publ. 1987)—Greece.  
 pseudocruciata (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 88 (1916-1920 publ. 1926): G. vernum *var. pseudocruciata*.  
 ramboi L.T. Dempster in *Allertonia*, 5(3): 328 (1990)—Brazil.  
 richardianum  
   *subsp. pusillum* (Gillies ex Hook. & Arn.) L.T. Dempster in *Allertonia*, 5(3): 325 (1990), without basionym ref.: Rubia pusilla.  
 rigidifolium F. Krendl in *Bot. Chronika*, 6-7: 124 (1986-87 publ. 1987)—Greece, Yugoslavia.  
 rubidiflorum L.T. Dempster in *Allertonia*, 5(3): 302 (1990)—Brazil.  
 sacrorum F. Krendl in *Bot. Chronika*, 6-7: 101 (1986-87 publ. 1987)—Greece.  
 saipalense F. Ehrendorfer & E. Schönbeck-Temesy in *Pl. Syst. Evol.*, 155(1-4): 82 (1987)—Nepal.  
 samium F. Krendl in *Bot. Chronika*, 6-7: 39 (1986-87 publ. 1987)—East Aegean Is.  
 sellowianum  
   *subsp. pubiflorum* (K. Schum.) L.T. Dempster in *Allertonia*, 5(3): 327 (1990): Relbunium hirtum f. pubiflora.  
 smithreitzii L.T. Dempster in *Allertonia*, 5(3): 330 (1990)—Brazil.  
 speciosum F. Krendl in *Bot. Chronika*, 6-7: 62 (1986-87 publ. 1987)—Yugoslavia, Albania, Greece.  
 stewartii S. Nazimuddin in *Fl. Pakistan*, 190: 63 (1989)—Pakistan.  
 subfalcatum S. Nazimuddin & F. Ehrendorfer in *Pl. Syst. Evol.*, 155(1-4): 71 (1987)—Pakistan.  
 taygeteum F. Krendl in *Bot. Chronika*, 6-7: 85 (1986-87 publ. 1987)—Greece.

**GALIMUM :-**

- tetraphyllum S. Nazimuddin & F. Ehrendorfer in *Pl. Syst. Evol.*, 155(1-4): 73 (1987)—Pakistan.  
 thracicum F. Krendl in *Bot. Chronika*, 6-7: 114 (1986-87 publ. 1987)—Greece.  
 tricornutum  
   *subsp. longipedunculatum* S. Nazimuddin in *Fl. Pakistan*, 190: 61 (1989)—Pakistan.  
 verrucosum  
   *var. halophilum* (Ponzo) A. Natali & D. Jeanmonod in *Candollea*, 43(1): 397 (1988): G. vaillantia *var. halophilum*.  
 vile (Cham. & Schlechtendal) L.T. Dempster in *Allertonia*, 5(3): 296 (1990): Rubia vilis.  
 violaceum F. Krendl in *Bot. Chronika*, 6-7: 82 (1986-87 publ. 1987)—Greece.  
 xinjiangense W.C. Chen in *Acta Phytotax. Sin.*, 28(4): 304 (1990)—Xinjiang.  
 yunnanense H. Hara & C.Y. Wu in *J. Jap. Bot.*, 61(3): 74 (1986)—China.

**GALTONIA** (Hyacinthac.).

- regalis O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 369 (1986)—South Africa (Natal).

**GAMBELIA** (Scrophulariac.).

- glabrata (T.S. Brandege) D.A. Sutton, *Revis. tribe Antirrhineae*: 511 (1988): Galvezia glabrata.  
 juncea (Benth.) D.A. Sutton, *Revis. tribe Antirrhineae*: 513 (1988): Maurandya juncea.  
 rupicola (T.S. Brandege) D.A. Sutton, *Revis. tribe Antirrhineae*: 513 (1988): Galvezia rupicola.

**GAMBEYA** (Sapotac.).

- gorungosana (Engl.) L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 556 (1988): Chrysophyllum gorungosanum.  
 muerensis (Engl.) L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 480 (1989): Chrysophyllum muerense.

**GAMOCHAETA** (Compos.).

- ambatensis L. Ariza Espinar in *Kurtziana*, 20: 169 (1989)—Argentina.  
 coarctata (Willd.) M. Kerguelen in *Lejeunia*, 120: 104 (1987): Gnaphalium coarctatum.  
 irazuensis G.L. Nesom in *Phytologia*, 68(3): 199 (1990)—Costa Rica.  
 meridensis V.M. Badillo in *Ernstia*, 57: 8 (1990)—Venezuela.  
 monticola M.O. Dillon & A. Sagástegui-Alva in *Phytologia*, 59(4): 227 (1986)—Peru.  
 standleyi (Steeyer.) G.L. Nesom in *Phytologia*, 68(3): 199 (1990): Gnaphalium standleyi.  
 ustulata (Nutt.) G.L. Nesom in *Phytologia*, 68(3): 196 (1990): Gnaphalium ustulatum.

**GAMOPLEXIS** Falconer ex Lindl. in Gdner's Chron., 1847: 103 (13 Feb. 1847) et in Athenaeum, 1847(1009): 232 (27 Feb. 1847); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982). **ORCHIDACEAE**.**GARCIBARRIGOA** J. Cuatrecasas in *Caldasia*, 15(71-75): 6 (1986). **COMPOSITAE**.  
 telembina (Cuatr.) J. Cuatrecasas in *Caldasia*, 15(71-75): 7 (1986): Senecio telembinus.**GARCINIA** (Guttif.).

- barkeriana (Urb. & Ekm.) Alain H. Liogier in *Phytologia*, 61(6): 353 (1986): Rheedia barkeriana.  
 barkeriana (Urb. & Ekm.) W.S. Judd in *Bull. Florida State Mus., Biol. Sci.*, 32(1): 45 (1987), isonym; see Alain H. Liogier in *Phytologia*, 61(6): 353 (1986): Rheedia barkeriana.  
 darwiniana K.R. Keshava Murthy, S.N. Yoganarasimhan & K. Vasudevan Nair in *Current Sci.*, 56(9): 425 (1987)V—India. N1  
 hessii (Britt.) Alain H. Liogier in *Phytologia*, 61(6): 353 (1986): Rheedia hessii.  
 intermedia (Pittier) B. Hammel in *Ann. Missouri Bot. Gard.*, 76(3): 927 (1989): Rheedia intermedia.  
 madruno (Kunth) B. Hammel in *Ann. Missouri Bot. Gard.*, 76(3): 928 (1989): Calophyllum madruno.  
 magnifolia (Pittier) B. Hammel in *Ann. Missouri Bot. Gard.*, 76(3): 928 (1989): Rheedia magnifolia.

**GARCINIA :-**

- pedunculata W. Roxburgh ex F. Buchanan-Hamilton in *Edinburgh J. Sci.*, 7: 45, t. 1 (1827); cf. D.J. Mabberley in *Taxon*, 26(5-6): 535 (1977)—Assam.  
 pictoria F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5: 346 (1826); fide D.J. Mabberley in *Taxon*, 26(5-6): 529 (1977)—India.  
 portoricensis (Urb.) Alain H. Liogier in *Phytologia*, 61(6): 353 (1986): Rheedia portoricensis.  
 verticillata (Urb.) Alain H. Liogier in *Phytologia*, 61(6): 353 (1986): Rheedia verticillata.

**GARDENIA** (Rubiace.).

- actinocarpa C.F. Puttock in *Austrobaileya*, 2(5): 435 (1988)—Australia (Queensland).  
 baladica Montr. ex A. Guillaumin & G. Beauvisage in *Ann. Soc. Bot. Lyon*, 38: 95 (1913 publ. 1914); et *Sp. Montrouz.*: 21 (1914) (reprint), nom. nov.: G. edulis Montr. †  
 imperialis  
   *subsp. physophylla* (K. Schum.) L. Pauwels in *Bull. Soc. Roy. Bot. Belg.*, 118(2): 114 (1985): Randia physophylla.  
 jasminoides  
   *f. longicarpa* Z.W. Xie & M. Okada in *J. Jap. Bot.*, 65(4): 123 (1990)—China.  
 psidioides C.F. Puttock in *Austrobaileya*, 2(5): 440 (1988)—Australia (Queensland).  
 rupicola C.F. Puttock in *Austrobaileya*, 2(5): 441 (1988)—Australia (Queensland).  
 scabrella C.F. Puttock in *Austrobaileya*, 2(5): 443 (1988)—Australia (Queensland).  
 tessellaris C.F. Puttock in *Austrobaileya*, 2(5): 444 (1988)—Australia (Queensland).  
 vogelii  
   *var. seretii* (De Wild.) L. Pauwels in *Bull. Soc. Roy. Bot. Belg.*, 118(2): 111 (1985): Randia seretii.

**GARDNERIA** (Loganiac.).

- linifolia C.Y. Wu & S.Y. Pao in *Fl. Yunnanica*, 3: 446 (1983)—China.

**GASTERIA** (Aloec.).

- vlokii E.J. van Jaarsveld in *Cact. Succ. J. (U.S.A.)*, 59(4): 170 (1987)—South Africa (Cape Province).

**×GASTISOCALPA** hort. in *Orchid Rev.*, 95(1127): centre page pull-out p. 9 (1987). **ORCHIDACEAE**.  
 (Gastrochilus × Luisia × Pomatocalpa).**GASTONIA** (Araliac.).

- crassa (Hemsley) F. Friedmann in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 246 (1986): Indokingia crassa.  
 lionnetii F. Friedmann in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 253 (1986)—Seychelles Is.  
 sechellarum  
   *var. contracta* F. Friedmann in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 251 (1986)—Seychelles Is.  
   *var. curiosae* F. Friedmann in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 251 (1986)—Seychelles Is.

**GASTRIDIDIUM** (Gramin.).

- ventricosum  
   *subsp. laxum* (Boiss. & Reut.) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): G. laxum.

**GASTROCHILUS** (Orchidac.).

- acinacifolius Z.H. Tsi in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 25 (1989)—Hainan.  
 corymbosus A.P. Das & S. Chanda in *J. Econ. Taxon. Bot.*, 12(2): 401 (1988 publ. 1989)—India, Sikkim.  
 flavus T.P. Lin, *Native Orchids Taiwan*, 3: 95 (1987)—Taiwan.  
 hainanensis Z.H. Tsi in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 21 (1989)—Hainan.  
 hoii T.P. Lin, *Native Orchids Taiwan*, 3: 103 (1987)—Taiwan.  
 minor G. Seidenfaden in *Op. Bot.*, 95: 296 (1988)—Thailand.  
 nanus Z.H. Tsi in *J. Arnold Arbor.*, 71(1): 121 (1990)—China.  
 rantabunensis Chow ex T.P. Lin, *Native Orchids Taiwan*, 3: 109 (1987)—Taiwan.

**GASTROCHILUS**:-

- rutilans *G. Seidenfaden* in *Op. Bot.*, 95: 293 (1988)—Thailand.  
 sinensis *Z.H. Tsi* in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 23 (1989)—China.  
 suavis *G. Seidenfaden* in *Op. Bot.*, 95: 298 (1988)—Thailand.

**GASTROCOTYLE** *A. Bunge* in *Ann. Sci. Nat. Bot.*, Sér. 3, 12: 363 (1849). *BORAGINACEAE*. †  
 hispida (*Forsk.*) *A. Bunge* in *Ann. Sci. Nat. Bot.*, Sér. 3, 12: 363 (1849): *Anchusa hispida*. †

**GASTRODIA** (Orchidac.).

- autumnalis *T.P. Lin*, *Native Orchids Taiwan*, 3: 122 (1987)—Taiwan.  
 fontinalis *T.P. Lin*, *Native Orchids Taiwan*, 3: 129 (1987)—Taiwan.  
 hiemalis *T.P. Lin*, *Native Orchids Taiwan*, 3: 131 (1987)—Taiwan.  
 peichatieniana *S.S. Ying*, *Coloured Illustr. Fl. Taiwan*, 2: 690 (1987)—Taiwan.

**GASTROLOBIIUM** (Legumin.).

- graniticum (*S. Moore*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Oxylobium graniticum*.  
 heterophyllum (*Turcz.*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Chorizema heterophyllum*.  
 parviflorum (*Benth.*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Oxylobium parviflorum*.  
 racemosum (*Turcz.*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Mirbelia racemosa*.  
 rigidum (*C. Gardner*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Oxylobium rigidum*.  
 spectabile (*Endl.*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Oxylobium spectabile*.  
 tetragonophyllum (*E. Pritzel*) *M.D. Crisp* in *C.H. Stirton* (ed.), *Advances in Legume System.*, 3: 130 (1987): *Oxylobium tetragonophyllum*.

**GASTROLYCHNIS** (Caryophyllac.).

- tenella (*Tolm.*) *V.V. Petrovskii* in *Bot. Zhurn.*, 72(12): 1618 (1987), isonym; see *V.B. Kuvaev* in *Bot. Zhurn.*, 66(7): 949 (1981): *Melandrium affine* subsp. *tenellum*.

**GASTROCHIS** (Orchidac.).

- gracilis (*Lindl.*) *L.V. Aver'yanov*, *Prelim. list Vietnam. Orchids*: 203 (1988): *Calanthe gracilis*.  
 lateriscapa (*Guillaum.*) *L.V. Aver'yanov*, *Prelim. list Vietnam. Orchids*: 204 (1988): *Cephalantheropsis lateriscapa*.

**GAUDICHAUDIA** (Malpighiac.).

- chasei *W.R. Anderson* in *Contrib. Univ. Mich. Herb.*, 16: 68 (1987)—Mexico.  
 cycloptera (*DC.*) *W.R. Anderson* in *Contrib. Univ. Mich. Herb.*, 16: 69 (1987): *Hiraea* ? cycloptera.  
 krusei *W.R. Anderson* in *Contrib. Univ. Mich. Herb.*, 16: 69 (1987)—Mexico.  
 macvaughii *W.R. Anderson* in *Contrib. Univ. Mich. Herb.*, 16: 72 (1987), as 'mcvaughii'—Mexico.

**GAULTHERIA** (Ericac.).

- alnifolia  
   *var. grata* (*A.C. Smith*) *J.L. Luteyn* in *Brittonia*, 41(1): 15 (1989): *G. grata*.  
 buxifolia  
   *var. elassantha* (*A.C. Smith*) *J.L. Luteyn* in *Brittonia*, 41(1): 13 (1989): *G. elassantha*.  
   *var. secunda* (*E.J. Remy*) *J.L. Luteyn* in *Brittonia*, 41(1): 13 (1989): *G. secunda*.  
 eriophylla  
   *var. mucronata* (*E.J. Remy*) *J.L. Luteyn* in *Brittonia*, 41(1): 15 (1989): *G. mucronata*.  
 lanigera  
   *var. rufolanata* (*Sleumer*) *J.L. Luteyn* in *Brittonia*, 41(1): 14 (1989): *G. rufolanata*.  
 sclerophylla  
   *var. hirsuta* *J.L. Luteyn* in *Brittonia*, 41(1): 11 (1989)—Ecuador, Colombia.

**GAULTHERIA**:-

- serrata (*Vell. Conc.*) *Kinoshita-Gouvêa ex J.L. Luteyn* in *Brittonia*, 41(1): 16 (1989): *Andromeda serrata*.  
 sinensis  
   *var. layaensis* *S.J. Rae* & *D.G. Long* in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 334 (1988 publ. 1989)—Bhutan.  
 sleumeri *T. Smitinand* & *Pham-hoang Ho* in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(4): 352 (1987 publ. 1988)—Vietnam.  
 strigosa  
   *var. revoluta* (*A.C. Smith*) *J.L. Luteyn* in *Brittonia*, 41(1): 14 (1989): *G. revoluta*.  
 trichophylla  
   *var. eciliata* *S.J. Rae* & *D.G. Long* in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 334 (1988 publ. 1989)—Bhutan, China.  
 wardii  
   *var. serrulata* *C.Y. Wu* & *T.Z. Hsu* in *Fl. Xizangica*, 3: 699 (1986)—Xizang.

**GAUSSIA** (Palmae).

- gomez-pompae (*Quero*) *H.J. Quero* in *Syst. Bot.*, 11(1): 153 (1986): *Opsiandra gomez-pompae*.  
 maya (*Cook*) *H.J. Quero* & *R.W. Read* in *Syst. Bot.*, 11(1): 152 (1986): *Opsiandra maya*.

**GAYA** (Malvac.).

- monosperma (*K. Schum.*) *A. Krapovickas* in *Bol. Soc. Argent. Bot.*, 24(1-2): 205 (1985): *Abutilon monospermum*.

**GAZANIA** (Compos.).

- pectinata (*Thunb.*) *Hartweg*, *Hort. Carlsruh.*: 126 (1825); cf. *D.J. Mabberley* in *Taxon*, 33(3): 442 (1984): Basionym not stated.

**GAZANIOPSIS** *C. Huber*, *Trade Cat.*: 4 (Oct. 1880).

- COMPOSITAE.  
 stenophylla *C. Huber*, *Trade Cat.*: 4 (Oct. 1880)—Mexico, U.S.A. (California).

**GEISSORHIZA** (Iridac.).

- callista *P. Goldblatt* in *Flow. Pl. Afr.*, 50(2): t. 1996 (1989)—South Africa (Cape Province).

**GELASINE** (Iridac.).

- elongata (*R. Grah.*) *P. Ravenna* in *Phytologia*, 65(2): 154 (1988): *Ferraria elongata*.

**GELIDOCALAMUS** (Gramin.).

- annulatus *T.H. Wen* in *J. Bamboo Res.*, 7(1): 27 (1988)—China.  
 latifolius *O.H. Dai* & *T. Chen* in *J. Bamboo Res.*, 4(1): 53 (1985)—China.  
 longiinternodus *T.H. Wen* & *S.C. Chen* in *J. Bamboo Res.*, 5(2): 24 (1986)—China.  
 subsolidus *W.T. Lin* & *Z.J. Feng* in *Guihaia*, 10(1): 18 (1990)—China.  
 velutinus *W.T. Lin* in *Acta Phytotax. Sin.*, 26(3): 233 (1988)—China.

**GENIANTHUS** (Asclepiadac.).

- horei *M.K. Vasudeva Rao* in *J. Econ. Taxon. Bot.*, 6(3): 732 (1985)—Nicobar Is.

**GENIOSPORUM** (Labiata.).

- menthoides  
   *var. prostratum* (*L.*) *J.R. Press* & *V.V. Sivarajan* in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 116 (1989): *Ocimum prostratum*.  
 tenuiflorum  
   *var. gracile* (*Benth.*) *S.R. Srinivasan* in *A.N. Henry, G.R. Kumari* & *V. Chithra*, *Fl. Tamil Nadu, India, Ser. 1*, 2: 174 (1987): *G. gracile*.

**GENIOSTOMA** (Loganiac.).

- rupestre  
   *var. ligustrifolium* (*Cunn.*) *B.J. Conn* in *New Zealand J. Bot.*, 25(1): 140 (1987): *G. ligustrifolium*.

**GENISTA** (Legumin.).

- nothosect. *Spades F. Llamas* in *Stud. Bot. (Salamanca)*, 5: 209 (1986). (*G. sect. Erinacoides* × *sect. Spartioides*).

**GENISTA**:-

- baetica  
   subsp. *pumila* (*Debeaux* & *Reverchon ex Hervier*) *J. Fernández Casas* in *Fontqueria*, 7: 17 (1985): *G. baetica* var. *pumila*.  
 balansae  
   subsp. *europaea* (*G. López* & *C.E. Jarvis*) *O. de Bolòs* & *J. Vigo*, *Fl. Paisos Catalans*, 2: 823 (1990), without basionym ref.: *Cytisus balansae* var. *europaeus*.  
 cinerea  
   subsp. *leptoclada* (*Willk.*) *O. de Bolòs* & *J. Vigo*, *Fl. Paisos Catalans*, 2: 823 (1990): *G. cinerea* var. *leptoclada*.  
   subsp. *murica* (*Cosson*) *P. Cantó* & *M.J. Sánchez* in *Candollea*, 43(1): 90 (1988): *G. murica*.  
 hassertiana  
   subsp. *glabrata* (*Markgraf*) *W. Greuter* in *Willdenowia*, 15(2): 428 (1986): *G. hassertiana* var. *glabrata*.  
 linifolia  
   subsp. *pallida* (*Poir.*) *P. Hanelt* in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2*, ed. *J. Schultze-Motel*, 2: 699 (1986): *Cytisus pallidus*.  
 majorica *P. Cantó* & *M.J. Sánchez* in *Candollea*, 43(1): 78 (1988)—Balearic Is.  
 mugronensis  
   subsp. *rigidissima* (*Vierh.*) *J. Fernández Casas* in *Fontqueria*, 7: 18 (1985): *G. rigidissima*.  
 pollinii *Spreng. ex Poll.*, *Cat. Pl. Hort. Bot. Veron.*, 1814: 18 (1814); cf. *D.J. Mabberley* in *Taxon*, 33(3): 442 (1984)—Locality not stated.  
 polyanthos  
   subsp. *legionensis* (*Pau*) *M. Lainz*, *Mis contrib. conocim. fl. Asturias*: 44 (1982): *G. aspalathoides* var. *legionensis*.  
 sagittalis  
   subsp. *delphinensis* (*Verlot*) *W. Greuter* in *Willdenowia*, 15(2): 428 (1986): *G. delphinensis*.  
   subsp. *undulata* (*Ern*) *W. Greuter* in *Willdenowia*, 15(2): 428 (1986): *Genistella sagittalis* subsp. *undulata*.  
 sandrasica *P. Hartvig* & *A. Strid* in *Bot. Jahrb.*, 108(2-3): 328 (1987)—Turkey.  
 tinctoria  
   subsp. *prostrata* *R. Corillion, C. Figureau* & *M. Godeau* in *Bull. Soc. Sci. Nat. Ouest France*, n.s., 9(4): 155 (1987), without type—France.  
 tridentata  
   subsp. *cantabrica* (*Spach*) *W. Greuter* in *Willdenowia*, 15(2): 428 (1986): *G. cantabrica*.  
   subsp. *lasiantha* (*Spach*) *W. Greuter* in *Willdenowia*, 15(2): 428 (1986): *G. lasiantha*.  
   subsp. *riphaea* (*Pau* & *Font Quer*) *W. Greuter* in *Willdenowia*, 15(2): 429 (1986): *Genistella rhipaea*.  
   subsp. *stenoptera* (*Spach*) *W. Greuter* in *Willdenowia*, 15(2): 429 (1986): *G. stenoptera*.  
 versicolor  
   subsp. *pumila* (*Debeaux* & *Reverchon ex Hervier*) *J. Fernández Casas* in *Fontqueria*, 8: 31 (1985): *G. baetica* var. *pumila*.
- GENLISEA** (Lentibulariac.).  
 lobata *E. Fromm-Trinta* in *Bradea*, 5(14): 152 (1989)—Brazil.  
 pallida *E. Fromm-Trinta* & *P. Taylor* in *Bradea*, 4(27): 177 (1985)—Zambia, Angola.
- GENOPLESIIUM** (Orchidac.).  
 acuminatum (*R. Rogers*) *D.L. Jones* & *M.A. Clements* in *Lindleyana*, 4(3): 142 (1989): *Prasophyllum acuminatum*.  
 apostasioides (*Fitzg.*) *D.L. Jones* & *M.A. Clements* in *Lindleyana*, 4(3): 142 (1989): *Corunastylis apostasioides*.  
 archeri (*J.D. Hook.*) *D.L. Jones* & *M.A. Clements* in *Lindleyana*, 4(3): 142 (1989): *Prasophyllum archeri*.  
 brachystachyum (*Lindley*) *D.L. Jones* & *M.A. Clements* in *Lindleyana*, 4(3): 142 (1989): *Prasophyllum brachystachyum*.  
 calopterum (*H.G. Reichb.*) *D.L. Jones* & *M.A. Clements* in *Lindleyana*, 4(3): 142 (1989): *Prasophyllum calopterum*.

**GENOPLESIIUM** :-

- ciliatum (Ewart & B. Rees) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 142 (1989): Prasophyllum ciliatum.
- despectans (J.D. Hook.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 142 (1989): Prasophyllum despectans.
- eriochilum (Fitzg.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum eriochilum.
- filiforme (Fitzg.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum filiforme.
- fimbriatum (R. Br.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum fimbriatum.
- morrisii (Nicholls) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum morrisii.
- nigricans (R. Br.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum nigricans.
- nudiscapum (J.D. Hook.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 143 (1989): Prasophyllum nudiscapum.
- nudum (J.D. Hook.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 144 (1989): Prasophyllum nudum.
- parvicallum (Rupp) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 144 (1989): Prasophyllum parvicallum.
- plumosum (Rupp) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 144 (1989): Prasophyllum plumosum.
- pumilum (J.D. Hook.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 144 (1989): Prasophyllum pumilum.
- rufum (R. Br.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 144 (1989): Prasophyllum rufum.
- sagittiferum (Rupp) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 145 (1989): Prasophyllum sagittiferum.
- woollsii (F. Muell.) D.L. Jones & M.A. Clements in *Lindleyana*, 4(3): 145 (1989): Prasophyllum woollsii.

**GENTIANA** (Gentianac.).

- ser. Angulosae R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 51 (1986).
- ser. Aquaticae Grossh. ex R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 51 (1986).
- ser. Asclepiadeae Grossh. ex R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 50 (1986).
- sect. Gelida R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 51 (1986), as comb. nov. but basionym invalid.
- ser. Nivales R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 52 (1986).
- ser. Prostratae Grossh. ex R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 51 (1986).
- ser. Triflorae Grossh. ex R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 50 (1986).
- acaulis
- f. alba S. Redžić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 27: 87 (1988)—Yugoslavia.
- var. minor (R. Nègre) M. Kerguelen in *Lejeunia*, 120: 104 (1987): G. kochiana var. minor.
- angulosa
- var. pontica (Soltok.) R.I. Gagnidze in *Zam. Sist. Geogr. Rast.*, 41: 52 (1986): G. pontica.
- asclepiadea
- subsp. schistocalyx (C. Koch) I.P. Zakharova in *Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 95(1): 97 (1990): G. schistocalyx.
- baeuerlenii L.G. Adams in *Telopea*, 3(2): 169 (1988)—Australia (New South Wales).
- bredboensis L.G. Adams in *Telopea*, 3(2): 171 (1988)—Australia (New South Wales).
- crenulato-truncata (Marq.) T.N. He in *Fl. Xizangica*, 3: 962 (1986): G. prostrata var. crenulato-truncata.
- froelichii
- subsp. zenarii F. Martini & L. Poldini in *Willdenowia*, 18(1): 23 (1988)—Italy.
- fukienensis Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(4): 217 (1949)—China.
- gannanensis Y. Wang & Z.C. Lou in *Acta Phytotax. Sin.*, 26(6): 461 (1988)—China.
- harwanensis G. Singh in G. Singh & P. Kachroo, *Forest Fl. Srinagar*: 126 (1987)—India.

**GENTIANA** :-

- irinae M.G. Pakhomova in *Opred. Rast. Sred. Azii*, 8: 169 (1986)—U.S.S.R. (Middle Asia).
- junusovii M.G. Pakhomova & Tajdshan. in *Opred. Rast. Sred. Azii*, 8: 169 (1986)—U.S.S.R. (Middle Asia).
- kitadakensis N. Yonezawa in *Acta Phytotax. Geobot.*, 40(1-4): 7 (1989)—Japan.
- lilliputiana C.J. Webb in *New Zealand J. Bot.*, 28(1): 1 (1990)—New Zealand.
- longicollis G.L. Nesom in *Phytologia*, 69(2): 115 (1990)—Mexico.
- lutea
- subsp. aurantiaca M. Lainz, *Mis contrib. conocim. fl. Asturias*: 61 (1982)—Spain.
- subsp. montserratii (Vivant ex Greuter) A.M. Romo i Diez, *Pl. Vasc. Abella de la Conca*: 35 (1989): G. montserratii.
- magellensis (Vaccari ex Ronniger) F. Tammara in *Arch. Bot. Biogeogr. Ital.*, 62(1-2): 54 (1986): G. verna f. magellensis.
- malyshevii (V. Zuev) I.A. Gubanov & R.V. Kamelin in *Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 92(1): 122 (1987): Gentianella malyshevii.
- saposhnikovii M.G. Pakhomova in *Opred. Rast. Sred. Azii*, 8: 170 (1986)—U.S.S.R. (Middle Asia).
- scabra
- f. alboreosa N. Yonezawa in *J. Phytogeogr. Taxon.*, 33(2): 81 (1985)—Japan.
- scabrada
- var. punctulata S.S. Ying, *Alp. Pl. Taiwan in Color*, 2: 215 (1978)—Taiwan.
- somdavi H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 294 (1990), nom. nov.: G. andersonii Biswas.
- susamyrensis M.G. Pakhomova in *Opred. Rast. Sred. Azii*, 8: 170 (1986)—U.S.S.R. (Middle Asia).
- transalaica M.G. Pakhomova & Tajdshan. in *Opred. Rast. Sred. Azii*, 8: 171 (1986)—U.S.S.R. (Middle Asia).
- verna
- subsp. arctica (Grossh.) V.G. Sergienko, *Fl. poluostrova Kanin*: 85 (1986): G. arctica.
- waltonii
- var. lhasaensis (Hsiao & K.C. Hsia) T.N. He in *Fl. Xizangica*, 3: 917 (1986): G. lhasaensis.
- wingecarribiensis L.G. Adams in *Telopea*, 3(2): 172 (1988)—Australia (New South Wales).
- wissmannii J.B. Williams in *Telopea*, 3(2): 175 (1988)—Australia (New South Wales).
- GENTIANELLA** (Gentianac.).
- chlorantha J.S. Pringle in *Sida*, 11(4): 357 (1986)—Peru.
- cuspidata (Griseb.) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana cuspidata.
- dianthoides (H.B.K.) Fabris ex J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana dianthoides.
- dielsiana (Gilg) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana dielsiana.
- dolichopoda (Gilg) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana dolichopoda.
- helianthemoides (Gilg) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana helianthemoides.
- gilgiana (Reimers) Fabris ex J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana gilgiana.
- mendocina (Gilg) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana mendocina.
- persquarrosa (Reimers) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana persquarrosa.
- radicata (Griseb.) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana radicata.
- riojae (Gilg) Fabris ex J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana riojae.
- vaginalis (Griseb.) J.S. Pringle in *Sida*, 11(4): 368 (1986): Gentiana vaginalis.

**GENTIANODES** (Gentianac.).

- acuminata (Clarke) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 5 (1988): Gentiana pygmaea var. acuminata.
- algida
- var. nubigena (Edgew.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 16 (1988): Gentiana nubigena.
- alii S. Omer & M. Qaiser in *Pakistan J. Bot.*, 20(1): 6 (1988)—Pakistan.

**GENTIANODES** :-

- aprica (Decne.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 15 (1988): Gentiana aprica.
- argentea (Royle ex D. Don) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 6 (1988): *Ericala argentea*.
- burkillii (H. Smith) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 9 (1988): Gentiana burkillii.
- cachemirica (Decne.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 16 (1988): Gentiana cachemirica.
- decemfida (Buch.-Ham. ex D. Don) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 14 (1988): Gentiana decemfida.
- huxleyi (Kusn.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 5 (1988): Gentiana huxleyi.
- intermedia (Clarke) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 14 (1988): Gentiana carinata var. intermedia.
- kaufmaniana (Reg. & Schmalh.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 17 (1988): Gentiana kaufmaniana.
- subsp. affghanica (Kusn.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 17 (1988): Gentiana kaufmaniana var. affghanica.
- kurroo (Royle) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 16 (1988): Gentiana kurroo.
- lowndesii (Blatter) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 17 (1988): Gentiana lowndesii.
- marginata (G. Don) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 9 (1988): *Ericala marginata*.
- var. harrissii S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 10 (1988)—Pakistan, India.
- nasirii S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 10 (1988)—Pakistan.
- olivieri (Griseb.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 18 (1988): Gentiana olivieri.
- pedicellata (D. Don) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 14 (1988): *Ericala pedicellata*.
- tianschanica (Rupr. ex Kusn.) S. Omer, S.I. Ali & M. Qaiser in *Pakistan J. Bot.*, 20(1): 18 (1988): Gentiana tianschanica.

**GENTIANOPSIS** (Gentianac.).

- vvedenskyi (Grossh.) V.V. Pis'yaukova in *Fl. Tadzhikskoi SSR*, 7: 292 (1984): Gentiana vvedenskyi.

**GENTINGIA** J.T. Johansson & K.M. Wong in *Blumea*, 33(2): 351 (1988). **RUBIACEAE**.

- subsessilis (King & Gamble) J.T. Johansson & K.M. Wong in *Blumea*, 33(2): 352 (1988): *Prismatomeris subsessilis*.

**GENYORCHIS** (Orchidac.).

- apetala (Lindl.) K. Senghas in *Orchidee*, 40(1): centre page pull-out, *Orchideenkartei* 552 (1989): *Bulbophyllum apetalum*.

**GEOCHARIS** (Zingiberac.).

- fusiformis (Ridley) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 458 (1986): *Amomum fusiforme*.
- var. borneensis R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 458 (1986)—Borneo (Sabah).

**GEONOMA** (Palmae).

- chlamydostachys G. Galeano-Garcés in *Principes*, 30(2): 71 (1986)—Colombia.
- scoparia M.H. Grayum & G.C. de Nevers in *Principes*, 32(3): 111 (1988)—Costa Rica.
- solitaria (Engel) Jahn ex A.W. Hill in *Index Kewensis*, Supp. 7: 102 (1921-1925 publ 1929): *Roebelia solitaria*.
- trigona (Ruiz & Pavon) A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 161 (1986): *Carludovica trigona*.

×**GEORGEBLACKARA** hort. in *Orchid Rev.*, 97(1146): centre page pull-out p. 8 (1989). **ORCHIDACEAE**. (Comparettia × Leochilus × Oncidium × Rodriguezia).

**GEOSTACHYS** (Zingiberac.).

angustifolia K. Larsen in *Nordic J. Bot.*, 6(1): 31 (1986)—Thailand.

×**GERAGEUM** J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983). **ROSACEAE**. (Geum × Parageum).  
sudeticum (Tausch) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): Geum sudeticum.

**GERANIUM** (Geraniac.).

aconitifolium

var. album B. Ghosh & U.C. Bhattacharyya in *J. Econ. Taxon. Bot.*, 10(2): 312 (1987 publ. 1988)—India.

angustilobum Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 48 (1986)—China.

ascendens Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 23 (1990)—China.

butuense Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 26 (1990)—China.

camaense C.C. Huang in *Fl. Xizangica*, 3: 10 (1986), without type—Xizang.

cheliki K. Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 440 (1988 publ. 1989)—Turkey.

franchetii

var. glandulosum Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 53 (1986)—China.

hanaense A.C. Medeiros & H. St. John in *Brittonia*, 40(2): 214 (1988)—Hawaiian Is.

kashmirianum B.L. Sapru & S.K. Raina in *Geobios New Rep.*, 5(1): 63 (1986)—India.

meiguense Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 47 (1986)—China.

nepalense

f. albiflora (Chung) W.T. Lee in *J. Korean Pl. Taxon.*, 12(2): 85 (1982): G. thunbergii f. albiflora.

platyrenifolium Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 52 (1986)—China.

pseudoaconitifolium

var. album (Ghosh & Bhattacharyya) B.S. Aswal & B.N. Mehrotra in *Indian J. Forest.*, 13(1): 66 (1990): G. aconitifolium var. album.

pseudofarreri Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 50 (1986), as 'pseudo-farreri'—China.

terminale Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 53 (1986)—China.

viscosum A.J. Cavanilles, *Diss.*, 4: 246 (1787)—South Africa (Cape Province).

wilfordii

var. glandulosum Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 56 (1986)—China.

xinjiangense C.Y. Yang in *Claves Pl. Xinjiang*, 3: 218 (1983)—Xinjiang.

yuexiense Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 55 (1986)—China.

**GERARDIA** (Scrophulariac.).

japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 553 (1784)—Japan.†

**GERARDIINA** (Scrophulariac.).

kundelungensis R. Mielcarek in *Fragm. Flor. Geobot.*, 31–32(1–2): 7 (1986–87 publ. 1988)—Zaire.

**GERASCANTHUS** (Boraginac.).

subgen. Myxa (Taroda) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia subgen. Myxa.

acutifolius (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 398 (1988): Cordia acutifolia.

africanus (Lam.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia africana.

albus (Jacq.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Varronia alba.

alliodorus (Ruiz & Pav.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cerdana alliodora.

anabaptista (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia anabaptista.

aristeguietae (Agostini) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia aristeguietae.

asterophorus (Mart. ex Fresen) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia asterophora.

atrofuscus (Taub.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia atro-fusca.

**GERASCANTHUS** :—

aurantiacus (Baker) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia aurantiaca.

bakeri (Britten) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia bakeri.

balanocarpus (Brenan) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia balanocarpa.

batesii (Wernh.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia batesii.

bequaertii (De Wild.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia bequaertii.

bicolor (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia bicolor.

bifurcatus (Roem. & Schult.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia bifurcata.

bogotensis (Benth.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia bogotensis.

borinquensis (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia borinquensis.

brachypodus (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia brachypoda.

caffra (Sond.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia caffra.

calophyllus (Vahl) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia calophylla.

chaetodontia (Melchior) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 403 (1988): Cordia chaetodontia.

chamissonianus (Steud.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988), without basionym date: Cordia chamissoniana.

cochinchinensis (Gagnep.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia cochinchinensis.

colimensis (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia colimensis.

collococcus (L.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia collococca.

colombianus (Killip) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia colombiana.

cordifolius (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia cordifolia.

cordiformis (Johnst.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia cordiformis.

crenatus (Del.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia crenata.

cujabensis (Manso & Lhotsky ex Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 396 (1988): Cordia cujabensis.

cumingianus (Vid.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988), without basionym date: Cordia cumingiana.

cymosus (Donn.-Sm.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cornutia cymosa.

decipiens (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia decipiens.

dichotomus (Forster f.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia dichotoma.

diffusus (Jacq.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia diffusa.

dioicus (Boj. ex DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia dioica.

diversifolius (Pav. ex DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia diversifolia.

dwyeri (Nowicke) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia dwyeri.

ecalyculatus (Vell.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988), without basionym date: Cordia ecalyculata.

ehretoides (Good.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia ehretoides.

elaegnoides (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia elaeagnoides.

ellipticus (Sw.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia elliptica.

eristigma (Pittier) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia eristigma.

exaltatus (Lam.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 399 (1988): Cordia exaltata.

excelsus (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia excelsa.

faulknerae (B. Verdc.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia faulknerae.

fawcettii (Kr. & Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia fawcettii.

fissistylus (K. Volles.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia fissistyla.

flavescens (Aubl.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia flavescens.

**GERASCANTHUS** :—

fragrantissimus (Kurz) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia fragrantissima.

fulvosus (Wight) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988), without basionym date: Cordia fulvosa.

furcans (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia furcans.

gerascanthoides (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia gerascanthoides.

gharaf (Ehrenb. ex Aschers.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Cordia gharaf.

gillettii (Wildem.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988), without basionym date: Cordia gillettii.

glabratus (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia glabrata.

glaziovii (Mez) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 404 (1988): Patagonula glaziovii.

globuliferus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia globulifera.

goeldianus (Huber) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia goeldiana.

goetzei (Guerke) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988), without basionym date: Cordia goetzei.

goossensii (De Wild.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988): Cordia goossensii.

gracilipes (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia gracilipes.

grandifolius (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia grandifolia.

grandis (Roxb.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988), without basionym date: Cordia grandis.

griffithii (C.B. Clarke) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988), without basionym date: Cordia griffithii.

guerkeanus (Loes.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia guerkeana.

guineensis (Thonn.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988), without basionym date: Cordia guineensis.

haenkeanus (Mez) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia haenkeana.

harrisii (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia harrisii.

hebecladus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia hebeclada.

heterophyllus (Roem. & Schult.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia heterophylla.

heudelotii (Baker) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988): Cordia heudelotii.

hintonii (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia hintoni.

hirtus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia hirta.

hypoleucus (A.D.C.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia hypoleuca.

iguaguanus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia iguaguana.

igualensis (Bartlett) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia igualensis.

inornatus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia inornata.

insignis (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia insignis.

johnsonii (Baker) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988): Cordia johnsonii.

kanehirae (Hayata) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988): Cordia kanehirai.

kirkii (Baker) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 405 (1988): Cordia kirkii.

laevigatus (Lam.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia laevigata.

lasiocalyx (Pittier) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia lasiocalyx.

latifolius (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia latifolia.

lomatolobus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988): Cordia lomatoloba.

longipedus (Mez) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 397 (1988): Cordia longipeda.

lucidulus (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3–4): 400 (1988), without basionym date: Cordia lucidula.



**GERASCANTHUS** :-

- luteus* (Lam.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia lutea*.  
*macledonii* (Hook. f. & Thoms.) A. Borhidi in Acta Bot. Hung., 34(3-4): 405 (1988): *Cordia macledonii*.  
*macrophyllus* (L.) A. Borhidi in Acta Bot. Hung., 34(3-4): 400 (1988): *Cordia macrophylla*.  
*magnoliifolius* (Cham.) A. Borhidi in Acta Bot. Hung., 34(3-4): 400 (1988): *Cordia magnoliifolia*.  
*mairei* (Humbert) A. Borhidi in Acta Bot. Hung., 34(3-4): 405 (1988): *Cordia mairei*.  
*megalanthus* (Blake) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia megalantha*.  
*membranaceus* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 400 (1988): *Cordia membranacea*.  
*mexianus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 400 (1988): *Cordia mexiana*.  
*mhaya* (Kerr) A. Borhidi in Acta Bot. Hung., 34(3-4): 405 (1988): *Cordia mhaya*.  
*micronesicus* (Kanehira & Hatusima) A. Borhidi in Acta Bot. Hung., 34(3-4): 405 (1988): *Cordia micronesica*.  
*millenii* (Baker) A. Borhidi in Acta Bot. Hung., 34(3-4): 405 (1988): *Cordia millenii*.  
*moluccanus* (Roxb.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988), without basionym date: *Cordia moluccana*.  
*molundensis* (Mildbr.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia molundensis*.  
*monoicus* (Roxb.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988), without basionym date: *Cordia monoica*.  
*morelosanus* (Standl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia morelosana*.  
*mukuensis* (Taton) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia mukuensis*.  
*muneco* (HBK.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia muneco*.  
*myxus* (L.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia myxa*.  
*naidophilus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia naidophila*.  
*nelsonii* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia nelsonii*.  
*nettoanus* (Taub.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia nettoana*.  
*nevillei* (Alston) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia nevillei*.  
*oblongifolius* (Thwait.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988), without basionym date: *Cordia oblongifolia*.  
*obovatus* (Balf. f.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia obovata*.  
*obscurus* (Cham.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia obscura*.  
*obtus* (Balf. f.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia obtusa*.  
*ochraceus* (DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia ochracea*.  
*opacus* (Rusby) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia opaca*.  
*panamensis* (Riley) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia panamensis*.  
*panicularis* (Rudge) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988), without basionym date: *Cordia panicularis*.  
*parvifolius* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia parvifolia*.  
*perbellus* (Mildbr.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia perbella*.  
*petenensis* (Lundell) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia petenensis*.  
*pilosissimus* (Baker) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia pilosissima*.  
*populifolius* (Baker) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia populifolia*.  
*protractus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia protracta*.  
*prunifolius* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia prunifolia*.  
*pubescens* (Willd. ex Roem. & Schult.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia pubescens*.  
*reticulatus* (Vahl) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia reticulata*.  
*ripicola* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia ripicola*.

**GERASCANTHUS** :-

- rotatus* (Moc. ex DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia rotata*.  
*roxburghii* (C.B. Clarke) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988), without basionym date: *Cordia roxburghii*.  
*rufescens* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia rufescens*.  
*sagotii* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia sagotii*.  
*salicifolius* (Cham.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia salicifolia*.  
*salvadorensis* (Standl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 401 (1988): *Cordia salvadorensis*.  
*scaberrimus* (HBK.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia scaberrima*.  
*scabridus* (Mart. ex Fres.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia scabrida*.  
*scabrifolius* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia scabrifolia*.  
*sellowianus* (Cham.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia sellowiana*.  
*sericalyx* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia sericalyx*.  
*sinensis* (Lam.) A. Borhidi in Acta Bot. Hung., 34(3-4): 406 (1988): *Cordia sinensis*.  
*skutchii* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia skutchii*.  
*somaliensis* (Baker) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988): *Cordia somaliensis*.  
*sonorae* (Rose) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia sonorae*.  
*sprucei* (Mez) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia sprucei*.  
*stelliferus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia stellifera*.  
*stenocladus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia stenoclada*.  
*suaveolens* (Blume) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988), without basionym date: *Cordia suaveolens*.  
*subpubescens* (Decne) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988), without basionym date: *Cordia subpubescens*.  
*subvelutinus* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia subvelutina*.  
*sulcatus* (DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia sulcata*.  
*superbus* (Cham.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia superba*.  
*taguahyuensis* (Vell.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988), without basionym date: *Cordia taguahyuensis*.  
*tetrandrus* (Aubl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia tetrandra*.  
*tetraphyllus* (Aubl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia tetraphylla*.  
*tinifolius* (Willd. ex Roem. & Schult.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia tinifolia*.  
*toqueve* (Aubl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia toqueve*.  
*trachyphyllus* (Mart.) A. Borhidi in Acta Bot. Hung., 34(3-4): 402 (1988): *Cordia trachyphylla*.  
*trichocladus* (A.DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 403 (1988): *Cordia trichoclada*.  
*trichostemon* (DC.) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988): *Cordia trichostemon*.  
*trichotomus* (Vell. ex Steud.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988), without basionym date: *Cordia trichotoma*.  
*troyanus* (Urb.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia troyana*.  
*ucayaliensis* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 403 (1988): *Cordia ucayaliensis*.  
*ulei* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 403 (1988): *Cordia ulei*.  
*uncinulatus* (De Wild.) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988): *Cordia uncinulata*.  
*valenzuelanus* (A. Rich.) A. Borhidi in Acta Bot. Hung., 34(3-4): 403 (1988): *Cordia valenzuelana*.  
*varroniifolius* (I.M. Johnston.) A. Borhidi in Acta Bot. Hung., 34(3-4): 398 (1988): *Cordia varroniifolia*.  
*venosus* (Hemsl.) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988): *Cordia venosa*.  
*vestitus* (Hook. f. & Thoms.) A. Borhidi in Acta Bot. Hung., 34(3-4): 407 (1988): *Cordia vestita*.

**GERASCANTHUS** :-

- viridis* (Rusby) A. Borhidi in Acta Bot. Hung., 34(3-4): 403 (1988): *Bourreria viridis*.

**GERBERA** (Compos.).

- connata* Y.C. Tseng in Acta Bot. Austro Sinica, 3: 7 (1986)—Xizang.  
*latilugulata* Y.C. Tseng in Acta Bot. Austro Sinica, 3: 11 (1986)—China.  
*lijiangensis* Y.C. Tseng in Acta Bot. Austro Sinica, 3: 6 (1986)—China, Xizang.  
*macrocephala* Y.C. Tseng in Acta Bot. Austro Sinica, 3: 12 (1986)—China.  
*pterodonta* Y.C. Tseng in Acta Bot. Austro Sinica, 3: 9 (1986)—China.  
*saxatilis* Chang ex Y.C. Tseng in Acta Bot. Austro Sinica, 3: 10 (1986)—China.

**GETHYLLIS** (Amaryllidac.).

- barkeri* D. Müller-Doblies in Willdenowia, 15(2): 466 (1986)—South Africa (Cape Province).  
*subsp. paucifolia* D. Müller-Doblies in Willdenowia, 15(2): 467 (1986)—South Africa (Cape Province).  
*britteniana*  
*subsp. bruynsii* D. Müller-Doblies in Willdenowia, 15(2): 467 (1986)—South Africa (Cape Province).  
*subsp. herrei* (L. Bolus) D. Müller-Doblies in Willdenowia, 15(2): 467 (1986): G. herrei.  
*cavidens* D. Müller-Doblies in Willdenowia, 15(2): 467 (1986)—South Africa (Cape Province).  
*ciliaris*  
*subsp. longituba* (L. Bolus) D. Müller-Doblies in Willdenowia, 15(2): 467 (1986): G. longituba.  
*fimbriatula* D. Müller-Doblies in Willdenowia, 15(2): 467 (1986)—South Africa (Cape Province).  
*gregoriana* D. Müller-Doblies in Willdenowia, 15(2): 468 (1986)—South Africa (Cape Province).  
*hallii* D. Müller-Doblies in Willdenowia, 15(2): 468 (1986)—South Africa (Cape Province).  
*heinzeana* D. Müller-Doblies in Willdenowia, 15(2): 468 (1986)—South Africa (Cape Province).  
*kaapensis* D. Müller-Doblies in Willdenowia, 15(2): 468 (1986)—South Africa (Cape Province).  
*lata*  
*subsp. orbicularis* D. Müller-Doblies in Willdenowia, 15(2): 468 (1986)—South Africa (Cape Province).  
*marginata* D. Müller-Doblies in Willdenowia, 15(2): 469 (1986)—South Africa (Cape Province).  
*oligophylla* D. Müller-Doblies in Willdenowia, 15(2): 469 (1986)—South Africa (Cape Province).  
*oliverorum* D. Müller-Doblies in Willdenowia, 15(2): 469 (1986)—South Africa (Cape Province).  
*pectinata* D. Müller-Doblies in Willdenowia, 15(2): 469 (1986)—South Africa (Cape Province).  
*roggeveldensis* D. Müller-Doblies in Willdenowia, 15(2): 470 (1986)—South Africa (Cape Province).  
*transkaroica* D. Müller-Doblies in Willdenowia, 15(2): 470 (1986)—South Africa (Cape Province).  
*utecana* D. Müller-Doblies in Willdenowia, 15(2): 470 (1986)—South Africa (Cape Province).

**GEUM** (Rosac.).

- subgen. Constrictohirtistylis* G. Panigrahi & K.M. Purohit in Bull. Bot. Surv. India, 26(3-4): 238 (1984 publ. 1986).  
*×catlingii* J.-P. Bernard & R. Gauthier in Nat. Canad., 113(4): 321 (1986)—Canada (Quebec, Ontario). (G. canadense × urbanum).  
*iranicum* M. Khatamsaz in Iranian J. Bot., 3(2): 90 (1987)—Iran.  
*japonicum* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 480 (1784)—Japan.†  
*×macneillii* J.-P. Bernard & R. Gauthier in Nat. Canad., 113(4): 321 (1986)—Canada (Quebec). (G. laciniatum × urbanum).  
*triflorum*  
*var. canescens* (E. Greene) J.T. Kartesz & K.N. Gandhi in Phytologia, 68(6): 425 (1990): *Erythrocroma canescens*.

**GIBASIS** (Commelinac.).

- karwinskyana*  
*subsp. palmeri* D.R. Hunt in Kew Bull., 41(1): 124 (1986)—Mexico.

**GIBASIS** :-

linearis

subsp. *rhodantha* (Torrey) D.R. Hunt in *Kew Bull.*, 41(1): 126 (1986): *Tradescantia rhodantha*.

*triflora* (Martens & Galeotti) D.R. Hunt in *Kew Bull.*, 41(1): 121 (1986): *Tradescantia triflora*.

venustula

subsp. *peninsulæ* D.R. Hunt in *Kew Bull.*, 41(1): 125 (1986), nom. nov.: *Tradescantia heterophylla* T.S. Brandege.

**GIGANTOCHLOA** (Gramin.).

*achmadii* E.A. Widjaja in *Reinwardtia*, 10(3): 373 (1987)—Sumatra.

*atroviolacea* E.A. Widjaja in *Reinwardtia*, 10(3): 323 (1987)—Java.

*densa* (E.G. & A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera densa*.

*dinhensis* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera dinhensis*.

*hayatae* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera hayatae*.

*hosseusii* (Pilger) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera hosseusii*.

*manggong* E.A. Widjaja in *Reinwardtia*, 10(3): 365 (1987)—Java, Lesser Sunda Is., Burma.

nigrociliata

var. *hohenackeri* (Fischer) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 514 (1990): *Oxytenanthera nigrociliata* var. *hohenackeri*.

*parvifolia* (Brandis) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera parvifolia*.

*poilanei* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera poilanei*.

*pruriens* E.A. Widjaja in *Reinwardtia*, 10(3): 369 (1987)—Sumatra.

*pseudoarundinacea* (Steud.) E.A. Widjaja in *Reinwardtia*, 10(3): 305 (1987): *Bambusa pseudoarundinacea*.

*sinuata* (Gamble) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera sinuata*.

*stocksii* (Munro) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990): *Oxytenanthera stocksii*.

*tenuispiculata* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990): *Oxytenanthera tenuispiculata*.

*vietnamica* Nguyen to Quyen in *Bot. Zhurn.*, 72(6): 829 (1987)—Vietnam.

*vinhphuica* Nguyen to Quyen in *Bot. Zhurn.*, 72(6): 830 (1987)—Vietnam.

**GILIA** (Polemoniaceae).

*densiflora* (Benth.) Endl., *Cat. Horti Vindob.*, 2: 69 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.

*involuta* (Ruiz & Pavon) Endl., *Cat. Horti Vindob.*, 2: 69 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Navaretia involuta*.

*tenuis* F.J. Smith & E.C. Neese in *Great Basin Nat.*, 49(3): 461 (1989)—U.S.A. (Utah).

**GIRARDINIA** (Urticaceae).

*septentrionalis* I.A. Grudzinskaya in *Bot. Zhurn.*, 72(7): 960 (1987)—U.S.S.R. (Soviet Far East), China, Korea.

**GIRGENSOHNIA** Bunge ex E. Fenzl in Ledeb., Fl.

Ross., 3: 835 (1851). **CHENOPODIACEAE**. †

*diptera* A. Bunge, *Beitr. Fl. Russl.*: 303 (1852)—U.S.S.R. (Middle Asia). †

*heteroptera* (Faub. & Spach) A. Bunge, *Beitr. Fl. Russl.*: 303 (1852): *Anabasis heteroptera*. †

*pallasii* A. Bunge, *Beitr. Fl. Russl.*: 303 (1852)—U.S.S.R. (Middle Asia). †

**GLADIOLUS** (Iridaceae).

*abyssinicus* (Brongn. ex Lemaire) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 425 (1989 publ. 1990): *Antholyza abyssinica*.

*andringitiae* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(3): 240 (1989 publ. 1990)—Madagascar.

*antandroyi* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(3): 247 (1989 publ. 1990)—Madagascar.

**GLADIOLUS** :-

*aquamontanus* P. Goldblatt in *S. Afr. J. Bot.*, 55(2): 261 (1989)—South Africa (Cape Province).

*bonaespei* P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 421 (1989 publ. 1990), nom. nov.: *Watsonia pilosa Klatt*.

*decaryi* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(3): 246 (1989 publ. 1990)—Madagascar.

*dichrous* (Bullock) P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 426 (1989 publ. 1990): *Oenostachys dichroa*.

*fourcadei* (L. Bolus) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 422 (1989 publ. 1990): *Antholyza fourcadei*.

*gueinzii* Kunze, *Hort. Univ. Lit. Lips.*, 1844; *Linnaea*, 18: 510 (1845); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

*horombensis* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(3): 243 (1989 publ. 1990)—Madagascar.

*huillensis* (Welw. ex Baker) P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 426 (1989 publ. 1990): *Antholyza huillensis*.

*huttonii* (N.E. Br.) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 422 (1989 publ. 1990): *Homoglossum huttonii*.

*loteniensis* O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 206 (1986)—South Africa (Natal).

*magnificus* (Harms) P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 426 (1989 publ. 1990): *Antholyza magnifica*.

*overbergensis* P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 421 (1989 publ. 1990), nom. nov.: *Antholyza guthriei* L. Bolus.

*perrieri* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(3): 248 (1989 publ. 1990)—Madagascar.

*priorii* (N.E. Br.) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 421 (1989 publ. 1990): *Antholyza priorii*.

*saccatus* (Klatt) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 424 (1989 publ. 1990): *Anisanthus saccatus*.

subsp. *steingroeveri* (Pax) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 424 (1989 publ. 1990): *Antholyza steingroeveri*.

*schweinfurthii* (Baker) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 425 (1989 publ. 1990): *Antholyza schweinfurthii*.

*teretifolius* P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 422 (1989 publ. 1990), nom. nov.: *Antholyza muirii* L. Bolus.

*uitenahagensis* P. Goldblatt & J.H.J. Vlok in *S. Afr. J. Bot.*, 55(2): 263 (1989)—South Africa (Cape Province).

*vandermerwei* (L. Bolus) P. Goldblatt & M.P. de Vos in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 421 (1989 publ. 1990): *Antholyza vandermerwei*.

*watsonius*

var. *maculosus* M.P. de Vos & P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 421 (1989 publ. 1990)—South Africa (Cape Province).

**GLANDULARIA** (Verbenaceae).

*brachyrhynchos* G.L. Nesom & L.A. Vorobik in *Sida*, 13(1): 31 (1988)—Mexico.

*cheitmaniana* (Moldenke) S.M. Botta & L. Poggio in *Parodiiana*, 5(2): 334 (1989): *Verbena cheitmaniana*.

**GLEDITSIA** (Legumin.).

*medogensis* Z.C. Ni in *Acta Phytotax. Sin.*, 25(3): 231 (1987)—Xizang.

**GLEKIA** O.M. Hilliard in Notes Roy. Bot. Gard.

Edinburgh, 45(3): 482 (1988 publ. 1989). **SCROPHULARIACEAE**.

**GLEKIA** :-

*krebsiana* (Benth.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 482 (1988 publ. 1989): *Phyllopodium krebsianum*.

**GLIA** (Umbellif.).

*capensis* (Houtt.) B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 199 (1988 publ. 1989): *Oenanthe capensis*.

**GLOBBA** (Zingiberac.).

brachyanthera

var. *hirsuta* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 18 (1988)—Borneo (Sarawak).

var. *rubra* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 17 (1988)—Borneo (Sarawak, Kalimantan).

*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 73 (1784)—Japan. †

*muluensis* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 14 (1988)—Borneo (Sarawak).

tricolor

var. *gibbsiae* (Ridley) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 11 (1988): *G. gibbsiae*.

**GLOCHIDION** (Euphorbiac.).

*airyshawii* N.P. Balakrishnan & T. Chakrabarty in *Bull. Bot. Surv. India*, 25(1-4): 220 (1983 publ. 1985)—Andaman Is.

*bhutanicum* D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 169 (1986)—Bhutan.

triandrum

var. *siamense* (Airy Shaw) P.T. Li in *Acta Phytotax. Sin.*, 26(1): 62 (1988): *G. acuminatum* var. *siamense*.

**GLOEOSPERMUM** (Violac.).

*pauciflorum* W.H.A. Hekking in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(4): 399 (1986)—Panama.

**GLOMERA** (Orchidac.).

*emarginata* P.J. Kores in *Allertonia*, 5(1): 113 (1989)—Fiji.

*pendulata* (P. Royen) J.J. Wood in *Kew Bull.*, 41(4): 819 (1986): *Agrostophyllum pendulatum*.

**GLOSSARION** (Compos.).

*bilabiatum* (Maguire) J.F. Pruski in *Brittonia*, 41(1): 39 (1989): *Guaicaria bilabiata*.

**GLOSSOCARYA** (Verbenac.).

*coriacea* A.A. Munir in *J. Adelaide Bot. Gard.*, 13: 21 (1990)—Australia (Queensland).

**GLOSSOGYNE** (Compos.).

*tannensis* (Sprengel) P.J. Garnock-Jones in *Taxon*, 35(1): 125 (1986): *Coreopsis tannensis*.

**GLOSSOPETALON** (Crossosomatac.).

spinescens

var. *microphyllum* N.H. Holmgren in *Brittonia*, 40(3): 272 (1988)—U.S.A. (Utah, Nevada).

**GLOSSOSTIPULA** D.H. Lorence in Candollea,

41(2): 454 (1986). **RUBIACEAE**.

*blepharophylla* (Standley) D.H. Lorence in *Candollea*, 41(2): 457 (1986): *Randia blepharophylla*.

*concinna* (Standley) D.H. Lorence in *Candollea*, 41(2): 458 (1986): *Randia concinna*.

**GLUTA** (Anacardiaceae).

*celebica* A.J.G.H. Kostermans in *Blumea*, 33(2): 348 (1988)—Celebes.

**GLYCERIA** (Gramin.).

aquatica

subsp. *debilior* (Trinius) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 508 (1987): *G. aquatica* var. *debilior*.

fluitans

subsp. *declinata* (Bréb.) O. de Bolos, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): *G. declinata*.

leptorhiza

subsp. *depauperata* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 508 (1987): *G. depauperata*.

**GLYCERIA** :-

- subsp. *infirm* (Ohwi) T. Koyama, *Grasses of Japan* & Neighbour. Regions: 508 (1987): G. *infirm*.  
 notata  
 subsp. *declinata* (Brébisson) E.J. Weeda in *Gorteria*, 16(2): 48 (1990): G. *declinata*.  
 ×*tokitana* S. Masumura in *Acta Phytotax. Geobot.*, 40(5-6): 165 (1989)—Japan. (G. *ischyromeura* × *leptolepis*).

**GLYCINE** (Legumin.).

- albicans* M.D. Tindale & L.A. Craven in *Austral. Syst. Bot.*, 1(4): 401 (1988 publ. 1989)—Australia (W. Australia).  
*arenaria* M.D. Tindale in *Brunonia*, 9(2): 187 (1987)—Australia (W. Australia, N. Terr.).  
*curvata* M.D. Tindale in *Brunonia*, 9(1): 99 (1987)—Australia (Queensland).  
*hirticaulis* M.D. Tindale & L.A. Craven in *Austral. Syst. Bot.*, 1(4): 406 (1988 publ. 1989)—Australia (N. Terr.).  
*lactovirens* M.D. Tindale & L.A. Craven in *Austral. Syst. Bot.*, 1(4): 404 (1988 publ. 1989)—Australia (W. Australia).  
*microphylla* (Benth.) M.D. Tindale in *Brunonia*, 9(2): 181 (1987): *Leptolobium microphyllum*.  
*minus* Lag., *Elenchus*: 8 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 70 (1982)—Locality not stated.  
*monophylla* (Vent.) Parmentier, *Cat. Pl. Enghien*: 37 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): Basionym not stated.  
*soja*  
 var. *albiflora* P.Y. Fu & Y.A. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 119 (1986)—China.  
 f. *angustifolia* P.Y. Fu & Y.A. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 120 (1986)—China.  
*villosa* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 659 (1784)—Japan.†

**GLYCOSMIS** (Rutac.).

- chlorosperma*  
 var. *bidensis* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 3 (1985)—Borneo (Sarawak).  
 var. *lindleyana* (Swingle) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 3 (1985): G. *lindleyana*.  
 var. *macrorachis* (King) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 3 (1985): G. *pentaphylla* subvar. *macrorachis*.  
 var. *paraphyllophora* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 3 (1985)—Malaya, Thailand.  
*collina* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 4 (1985)—Malaya.  
*cyanocarpa*  
 var. *erythrocarpoides* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 7 (1985)—Sumatra.  
 var. *larsenii* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 8 (1985)—Thailand.  
 var. *philippinensis* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 7 (1985)—Philippine Is.  
 var. *rubiginosa* (Ridl.) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 7 (1985): G. *rubiginosa*.  
 var. *wirawanii* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 6 (1985)—Lesser Sunda Is.  
*gracilis* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 10 (1985)—Vietnam.  
*longispala* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 11 (1985)—Borneo (Sarawak).  
*mauritiana*  
 var. *fuscescens* (Kurz) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 14 (1985): G. *trifoliata* var. *fuscescens*.  
 var. *hainanensis* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 14 (1985)—Hainan.  
 var. *tomentosa* (Ridley) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 14 (1985): G. *rupestris* var. *tomentosa*.  
*medogensis* D.D. Tao ex C.C. Huang in *Fl. Xizangica*, 3: 30 (1986)—Xizang.

**GLYCOSMIS** :-

- oligantha* C.C. Huang in *Guihaia*, 7(2): 122 (1987)—China.  
*parviflora*  
 var. *obtus* (Miq.) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 15 (1985): G. *obtus*.  
*puberula*  
 var. *craibii* (Tanaka) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 18 (1985): G. *craibii*.  
 var. *eberhardtii* (Tanaka) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 18 (1985): G. *sapindoides* var. *eberhardtii*.  
 var. *subsessilis* (Craib) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 18 (1985): G. *subsessilis*.  
*sapindoides*  
 var. *australensis* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 18 (1985)—Australia (W. Australia).  
 var. *microphylla* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 18 (1985)—Lesser Sunda Is.  
*stenura* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 19 (1985)—Malaya.  
*tetracronia* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 21 (1985), nom. nov.: *Tetracronia cymosa* Pierre.  
*trichanthera*  
 var. *kelantanica* (Stone) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 22 (1985): G. *calicicola* var. *kelantanica*.  
 var. *sumatrana* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 22 (1985)—Sumatra.

**GLYCRRHIZA** (Legumin.).

- eurycarpa* P.C. Li in *Acta Bot. Bor.-Occid. Sin.*, 4(2): 118 (1984)—Xinjiang, China.  
*glabra*  
 var. *caduca* X.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 31 (1989)—Xinjiang.  
 var. *glandulosa* X.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 32 (1989)—Xinjiang.  
 var. *laxifoliolata* X.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 32 (1989)—Xinjiang.  
*macrophylla* X.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 30 (1989)—Xinjiang.  
*shiheziensis* X.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 29 (1989)—Xinjiang.  
*yunnanensis* Cheng f. & L.K. Tai ex P.C. Li in *Acta Bot. Bor.-Occid. Sin.*, 4(2): 117 (1984)—China.

**GNAPHALIOTHAMNUS** (Compos.).

- aecidiocephalus* (Grierson) G.L. Nesom in *Phytologia*, 68(5): 373 (1990): *Anaphalis aecidiocephala*.  
*concinus* (A. Gray) G.L. Nesom in *Phytologia*, 68(5): 374 (1990): *Gnaphalium concinnum*.  
*costaricensis* G.L. Nesom in *Phytologia*, 68(5): 374 (1990)—Costa Rica.  
*cryptocephalus* G.L. Nesom in *Phytologia*, 68(5): 375 (1990)—Mexico.  
*durangensis* G.L. Nesom in *Phytologia*, 69(1): 1 (1990)—Mexico.  
*eleagnoides* (Klatt) G.L. Nesom in *Phytologia*, 68(5): 376 (1990): *Chionolaena eleagnoides*.  
*lavandulaefolius* (Kunth) G.L. Nesom in *Phytologia*, 68(5): 377 (1990): *Elychrysium lavandulaefolium*.  
*macdonaldii* G.L. Nesom in *Phytologia*, 68(5): 378 (1990)—Mexico.  
*salicifolius* (Bertol.) G.L. Nesom in *Phytologia*, 68(5): 378 (1990): *Helichrysium salicifolium*.  
*sartorii* (Klatt) G.L. Nesom in *Phytologia*, 68(5): 379 (1990): *Chionolaena sartorii*.

**GNAPHALIUM** (Compos.).

- dealbatum*  
 var. *luteofuscum* (Webb) W. Lobin in *Courier Forschungsinst. Senckenberg*, 81: 117 (1986): G. *luteofuscum*.  
*flavocephalum* G.L. Nesom in *Phytologia*, 68(5): 413 (1990)—Mexico.  
*hintoniorum* G.L. Nesom in *Phytologia*, 68(5): 414 (1990)—Mexico.  
*japonicum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 749 (1784)—Japan.†  
*laterale* C.J. Webb in *New Zealand J. Bot.*, 26(3): 485 (1988)—New Zealand.

**GNAPHALIUM** :-

- microcephalum*  
 subsp. *thermale* (E. Nels.) G.W. Douglas in *Canad. J. Bot.*, 64(11): 2726 (1986): G. *thermale*.  
*polylepis* (D. Drury) C.J. Webb in *New Zealand J. Bot.*, 25(1): 147 (1987): G. *paludosum* var. *polylepis*.  
*ruahinicum* (D. Drury) C.J. Webb in *New Zealand J. Bot.*, 25(1): 147 (1987): G. *audax* subsp. *ruahinicum*.  
*sandwicensium*  
 var. *hawaiiense* (Degener & Sherff) W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Occas. Pap. Bernice P. Bishop Mus.*, 26: 115 (1986): G. *hawaiiense*.

**GNEPHOSIS** (Compos.).

- cassiniana* P.S. Short in *Muelleria*, 7(2): 242 (1990)—Australia (W. Australia).  
*drummondii* (A. Gray) P.S. Short in *Muelleria*, 6(5): 317 (1987): *Chrysocoryne drummondii*.  
*multiflora* (P. Short) P.S. Short in *Muelleria*, 6(5): 317 (1987): *Chrysocoryne multiflora*.  
*setifera* P.S. Short in *Muelleria*, 7(2): 244 (1990)—Australia (W. Australia).  
*tridens* (P. Short) P.S. Short in *Muelleria*, 6(5): 318 (1987): *Chrysocoryne tridens*.  
*trifida* (P. Short) P.S. Short in *Muelleria*, 6(5): 318 (1987): *Chrysocoryne trifida*.  
*uniflora* (Turcz.) P.S. Short in *Muelleria*, 6(5): 318 (1987): *Chrysocoryne uniflora*.

**GNIDIA** (Thymelaeac.).

- glauc*  
 var. *sisparensis* (Gard.) G.R. Kumari in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 214 (1987): G. *sisparensis*.  
*hirsuta* (L.) M. Thulin in *Taxon*, 35(4): 724 (1986): *Lobelia hirsuta*.  
*renniana* O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 218 (1986)—South Africa (Natal).  
*robynsiana* S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 461 (1987)—Zaire.  
*singularis* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 196 (1988 publ. 1989)—Lesotho.

**GODETIA** (Onagrac.).

- roseoalba* (Benth.) J.W. Loud., *Lad. Fl. Gard. Orn. Ann.*: 53 (1840); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.

- ×**GOHARTIA** hort. in *Orchid Rev.*, 97(1145): centre page pull-out p. 9 (1989). **ORCHIDACEAE**. (Gomesa × Lockhartia).

**GOLDFUSSIA** (Acanthac.).

- echinata* (Nees) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*, 2: 663 (1987): *Strobilanthes echinata*.  
*grandissima* H.P. Tsui in *Acta Bot. Yunnanica*, 12(3): 276 (1990)—China.  
*medogensis* H.W. Li in *Fl. Xizangica*, 4: 413 (1985)—Xizang.  
*yunnanensis* (Diels) H.P. Tsui in *Acta Bot. Yunnanica*, 12(3): 275 (1990): *Strobilanthes yunnanensis*.

- ×**GOMETTIA** hort. in *Orchid Rev.*, 97(1145): centre page pull-out p. 9 (1989). **ORCHIDACEAE**. (Compartmentia × Gomesa).

- ×**GOMOGLOSSUM** hort. in *Orchid Rev.*, 94(1114): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (Gomesa × Odontoglossum).

**GOMPHOLOBIUM** (Legumin.).

- asperulum* (S. Moore) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 129 (1987): *Burtonia asperula*.  
*confertum* (DC.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 129 (1987): *Burtonia conferta*.  
*gompholobioides* (F. Muell.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 129 (1987): *Burtonia gompholobioides*.  
*simplicifolium* (F. Muell. & Tate) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 129 (1987): *Burtonia simplicifolia*.

**GOMPHOLOBIUM** :-

villosum (Meissner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 129 (1987): Burtonia villosa.

**GOMPHOSTEMMA** (Labiata.).

javanicum  
var. brevidens G. Murata in *Acta Phytotax. Geobot.*, 40(1-4): 101 (1989)—Thailand.  
nayarii A.S. Chauhan in *Bull. Bot. Surv. India*, 28(1-4): 182 (1986 publ. 1988)—India.

**GOMPHRENA** (Amaranthac.).

boliviana  
f. leiantha T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 76 (1990)—Argentina, Bolivia.

boliviana

f. robusta (Hicken) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 77 (1990): Iresine heliotropifolius f. robusta.

elegans

var. mesopotamica T.M. Pedersen in *Fl. Illustr. Entre Ríos (Argent.)*, 3: 176 (1987)—Argentina.

martiana

f. austrina T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 78 (1990)—Argentina, Paraguay.

meyeniana

var. flaccida T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 82 (1990)—Argentina, Peru, Bolivia.

f. levitepala T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 83 (1990)—Argentina.

var. tucumanensis T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 85 (1990)—Argentina.

pallida

var. diffusa T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 86 (1990)—Argentina.

paranensis

subsp. paraguariensis T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 86 (1990)—Paraguay.

vitellina T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 87 (1990)—Paraguay.

**GONATOPUS** (Arac.).

clavatus S.J. Mayo in *Fl. Trop. E. Afr.*, *Arac.*: 11 (1985)—Tanzania, Mozambique, Malawi.

**GONGORA** (Orchidac.).

chocoensis R. Jenny in *Orchidee*, 41(4): 122 (1990)—Colombia.

colombiana R. Jenny in *Orchidee*, 41(4): 123 (1990)—Colombia.

hirtzii C.H. Dodson & N.H. Williams in *Lindleyana*, 4(1): 30 (1989)—Ecuador.

pseudotropopurea R. Jenny in *Orchidee*, 41(4): 120 (1990)—Colombia.

**GONGRONEMA** (Asclepiadac.).

multibracteolatum P.T. Li & X.M. Wang in *Acta Phytotax. Sin.*, 25(6): 476 (1987)—China.

**GONGYLOLEPIS** (Compos.).

jauaensis (Aristeg.) Maguire & Steyer. V.M. Badillo in *Ernstia*, 46: 8 (1988): Cardonaea jauaensis.

oblanceolata J.F. Pruski in *Ann. Missouri Bot. Gard.*, 76(4): 994 (1989)—Brazil, Venezuela.

terramarae J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 115 (1987)—Venezuela.

**GONGYLOSCIADIUM** K.H. Rechinger in *Fl. Iran.*, 162: 308 (1987). **UMBELLIFERAE**.

falcarioides (Bornm. & Wolff) K.H. Rechinger in *Fl. Iran.*, 162: 308 (1987): Pimpinella falcarioides.

**GONIOCHILUS** M.W. Chase in *Contrib. Univ. Mich. Herb.*, 16: 124 (1987). **ORCHIDACEAE**.

leochilinus (Reichb. f.) M.W. Chase in *Contrib. Univ. Mich. Herb.*, 16: 125 (1987): Rodriguezia leochilina.

**GONIOLIMON** (Plumbaginac.).

incanum (L.) F.N. Hepper in *Fl. Turkey & E. Aegean Is.*, 10: 212 (1988): Statice incana.

**GONIOTHALAMUS** (Annonac.).

australis L.W. Jessup in *Austrobaileya*, 2(3): 224 (1986)—Australia (Queensland).

**GONOCALYX** (Ericac.).

amplexicaulis J.L. Luteyn in *Syst. Bot.*, 15(4): 745 (1990)—Panama.

**GONOCARPUS** (Haloragac.).

effusus A.E. Orchard in *Nuytsia*, 5(3): 331 (1986)—Australia (Queensland).

ephemerus A.E. Orchard in *Nuytsia*, 5(3): 327 (1986)—Australia (W. Australia).

ericifolius A.E. Orchard in *Nuytsia*, 5(3): 329 (1986)—Australia (W. Australia).

hispidus A.E. Orchard in *Nuytsia*, 5(3): 329 (1986)—Australia (W. Australia).

urceolatus A.E. Orchard in *Nuytsia*, 5(3): 332 (1986)—Australia (Queensland).

**GONOLOBUS** (Asclepiadac.).

antioquiensis G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 352 (1989 publ. 1990)—Colombia.

campii G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 353 (1989 publ. 1990)—Ecuador.

caucanus G. Morillo in *An. Jard. Bot. Madrid*, 47: 353 (1989 publ. 1990)—Colombia.

colombianus G. Morillo in *An. Jard. Bot. Madrid*, 43(2): 235 (1986 publ. 1987)—Colombia.

denticulatus (Vahl) W.D. Stevens in *Phytologia*, 64(5): 334 (1988): Cynanchum denticulatum.

germanianus G. Morillo in *Ernstia*, 50: 14 (1988)—Venezuela.

heterophyllus (Hemsley) G. Morillo in *An. Jard. Bot. Madrid*, 43(2): 237 (1986 publ. 1987): Fischeria heterophylla.

hildebrandiae G. Morillo in *Ernstia*, 50: 16 (1988)—Venezuela.

macrotis G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 353 (1989 publ. 1990)—Colombia.

marmoreus (Woods) G. Morillo in *Ernstia*, 50: 17 (1988): Exolobus marmoreus.

purpureus G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 354 (1989 publ. 1990)—Peru.

sagasteguii G. Morillo in *Ernstia*, 50: 17 (1988)—Peru.

stipitatus G. Morillo in *An. Jard. Bot. Madrid*, 43(2): 237 (1986 publ. 1987)—Colombia.

stipitatus Alain H. Liogier in *Phytologia*, 64(5): 345 (1988) later homonym of G. Morillo 1987—Hispaniola (Haiti).

**GOODALLIA** T. Bowdich, Exc. Madeira (ed. S. Bowdich): 61 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 59 (1980). **CRASSULACEAE**.**GOODENIA** (Goodeniace.).

arachnoidea R. Carolin in *Telopea*, 3(4): 557 (1990)—Australia (W. Australia).

arenicola R. Carolin in *Telopea*, 3(4): 528 (1990)—Australia (Queensland).

argillacea R. Carolin in *Telopea*, 3(4): 563 (1990)—Australia (N. Terr.).

bellidifolia

subsp. argentea R. Carolin in *Telopea*, 3(4): 523 (1990)—Australia (New South Wales, Queensland).

benthiana R.C. Carolin in *Fl. S. Australia*, 3: 1392 (1986), nom. nov.: G. amplexans var. parvifolia Benth.

berringtonensis R. Carolin in *Telopea*, 3(4): 537 (1990)—Australia (W. Australia).

blackiana R.C. Carolin in *Fl. S. Australia*, 3: 1393 (1986)—Australia (Victoria, S. Australia).

brachypoda (F. Muell. ex Benth.) R. Carolin in *Telopea*, 3(4): 558 (1990): G. sepalosa var. brachypoda.

brunnea R.C. Carolin in *Fl. S. Australia*, 3: 1393 (1986)—Australia (S. Australia).

byrnesii R. Carolin in *Telopea*, 3(4): 560 (1990)—Australia (N. Terr., W. Australia, Queensland).

campestris R. Carolin in *Telopea*, 3(4): 561 (1990)—Australia (N. Terr.).

chthonocephala R. Carolin in *Telopea*, 3(4): 563 (1990)—Australia (N. Terr.).

**GOODENIA** :-

convexa R. Carolin in *Telopea*, 3(4): 529 (1990)—Australia (W. Australia).

cusackiana (F. Muell.) R. Carolin in *Telopea*, 3(4): 556 (1990): Velleia cusackiana.

delicata R. Carolin in *Telopea*, 3(4): 525 (1990)—Australia (Queensland, New South Wales).

drummondii R. Carolin in *Telopea*, 3(4): 519 (1990)—Australia (W. Australia).

durackiana R. Carolin in *Telopea*, 3(4): 559 (1990)—Australia (W. Australia).

fasciculata (Benth.) R. Carolin in *Telopea*, 3(4): 519 (1990): Scaevola fasciculata.

fordiana R. Carolin in *Telopea*, 3(4): 522 (1990)—Australia (New South Wales).

glareicola R. Carolin in *Telopea*, 3(4): 541 (1990)—Australia (W. Australia).

gloeophylla R. Carolin in *Telopea*, 3(4): 534 (1990)—Australia (W. Australia, N. Terr.).

goodeniacea (F. Muell.) R. Carolin in *Telopea*, 3(4): 529 (1990): Scaevola goodeniacea.

hederacea

subsp. alpestris (K. Krause) R. Carolin in *Telopea*, 3(4): 529 (1990): G. hederacea var. alpestris.

helsmii (E. Pritzel) R. Carolin in *Telopea*, 3(4): 520 (1990): Scaevola helsmii.

heppleana (W. Fitzg.) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne heppleana.

heterophylla

subsp. eglandulosa R. Carolin in *Telopea*, 3(4): 526 (1990)—Australia (New South Wales).

subsp. montana R. Carolin in *Telopea*, 3(4): 527 (1990)—Australia (New South Wales).

subsp. teucriifolia (F. Muell.) R. Carolin in *Telopea*, 3(4): 527 (1990): G. teucriifolia.

heteroptera (F. Muell.) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne heteroptera.

holtzeana (Specht) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne holtzeana.

integerrima R. Carolin in *Telopea*, 3(4): 546 (1990)—Australia (W. Australia).

janamba R. Carolin in *Telopea*, 3(4): 547 (1990)—Australia (N. Terr., Queensland).

kakadu R. Carolin in *Telopea*, 3(4): 566 (1990)—Australia (N. Terr.).

kingiana R. Carolin in *Telopea*, 3(4): 521 (1990)—Australia (W. Australia).

krauseana R. Carolin in *Telopea*, 3(4): 550 (1990), nom. nov.: G. nana K. Krause.

leiosperma R. Carolin in *Telopea*, 3(4): 558 (1990)—Australia (N. Terr.).

lyrata R. Carolin in *Telopea*, 3(4): 538 (1990)—Australia (W. Australia).

macbarronii R. Carolin in *Telopea*, 3(4): 533 (1990)—Australia (New South Wales, Victoria, Queensland).

macropectra (F. Muell.) R. Carolin in *Telopea*, 3(4): 551 (1990): Velleia macropectra.

malvina R. Carolin in *Telopea*, 3(4): 562 (1990)—Australia (W. Australia, N. Terr.).

micrantha Hemsley ex R. Carolin in *Telopea*, 3(4): 551 (1990), nom. nov.: G. filiformis var. minutiflora F. Muell. ex K. Krause.

muelleriana R. Carolin in *Telopea*, 3(4): 555 (1990)—Australia (W. Australia).

neglecta (Carolin) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne neglecta.

neogoodenia R. Carolin in *Telopea*, 3(4): 547 (1990), nom. nov.: Neogoodenia minutiflora Gardner & George.

nigrescens R. Carolin in *Telopea*, 3(4): 542 (1990)—Australia (N. Terr.).

ochracea R. Carolin in *Telopea*, 3(4): 549 (1990)—Australia (W. Australia).

pallida R. Carolin in *Telopea*, 3(4): 553 (1990)—Australia (W. Australia).

paludicola R. Carolin in *Telopea*, 3(4): 536 (1990)—Australia (Queensland, N. Terr.).

pascua R. Carolin in *Telopea*, 3(4): 544 (1990)—Australia (W. Australia).

perryi Gardner ex R. Carolin in *Telopea*, 3(4): 540 (1990)—Australia (W. Australia).

phillipsiae R. Carolin in *Telopea*, 3(4): 548 (1990)—Australia (W. Australia).

pilosa (R.Br.) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne pilosa.

porphyrea (Carolin) R. Carolin in *Telopea*, 3(4): 565 (1990): Calogyne porphyrea.



**GOODENIA** :-

- potamica *R. Carolin in Telopea*, 3(4): 564 (1990)—Australia (N. Terr.).  
 prostrata *R. Carolin in Telopea*, 3(4): 554 (1990)—Australia (W. Australia).  
 purpurea (*F. Muell.*) *R. Carolin in Telopea*, 3(4): 565 (1990): Calogyne purpurea.  
 quadrifida (*Carolin*) *R. Carolin in Telopea*, 3(4): 565 (1990): Calogyne quadrifida.  
 quasilibera *R.C. Carolin in Fl. S. Australia*, 3: 1403 (1986)—Australia (W. Australia, S. Australia).  
 racemosa  
   *var. latifolia R. Carolin in Telopea*, 3(4): 524 (1990)—Australia (Queensland).  
 redacta *R. Carolin in Telopea*, 3(4): 551 (1990)—Australia (W. Australia, N. Terr.).  
 saccata *R.C. Carolin in Fl. S. Australia*, 3: 1403 (1986)—Australia (S. Australia).  
 salmoniana (*F. Muell.*) *R. Carolin in Telopea*, 3(4): 550 (1990): Velleia salmoniana.  
 sepalosa  
   *var. glandulosa R. Carolin in Telopea*, 3(4): 556 (1990)—Australia (W. Australia).  
 symonii (*Carolin*) *R. Carolin in Telopea*, 3(4): 565 (1990): Calogyne symonii.  
 tripartita *R. Carolin in Telopea*, 3(4): 530 (1990)—Australia (W. Australia).  
 viridula *R. Carolin in Telopea*, 3(4): 525 (1990)—Australia (Queensland).  
 viscidula *R. Carolin in Telopea*, 3(4): 535 (1990)—Australia (N. Terr., Queensland).  
 watsonii  
   *subsp. glandulosa R. Carolin in Telopea*, 3(4): 518 (1990)—Australia (W. Australia).  
 willisiana *R. Carolin in Telopea*, 3(4): 531 (1990)—Australia (Victoria, New South Wales, S. Australia).

**GOODYERA** (Orchidac.).

- hispaniolae *D.D. Dod in Moscosoa*, 4: 183 (1986)—Hispaniola (Dominican Republic, Haiti).  
 vitiensis (*L.O. Williams*) *P.J. Kores in Allertonia*, 5(1): 25 (1989): *G. waitziana* var. *vitiensis*.

**GORDONIA** (Theac.).

- axillaris (*Roxb. ex Ker*) *Endl., Cat. Horti Vindob.*, 2: 365 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 435 (1984): Basionym not stated.

**GORGONIDIUM** (Arac.).

- vargasii *J. Bogner & D.H. Nicolson in Bot. Jahrb.*, 109(4): 543 (1988)—Peru.  
 vermicidum (*Speg.*) *J. Bogner & D.H. Nicolson in Bot. Jahrb.*, 109(4): 548 (1988): Staurostigma vermicidum.

**GOSSYPIANTHUS** (Amaranthac.).

- lanuginosus  
   *var. tenuiflorus (Hook.) J. Henrickson in Sida*, 12(2): 321 (1987): *G. tenuiflorus*.

**GOSSYPIUM** (Malvac.).

- anomalum  
   *subsp. senarense (Wawra & Peyr.) K. Vollesen in Kew Bull.*, 42(2): 339 (1987): *G. senarense*.  
 bricchettii (*Ulrich*) *K. Vollesen in Kew Bull.*, 42(2): 349 (1987): Cienfugosia bricchettii.  
 herbaceum  
   *subsp. africanum (Watt) K. Vollesen in Kew Bull.*, 42(2): 343 (1987): *G. obtusifolium* var. *africanum*.  
 schwendimannii *P.A. Fryxell & S.D. Koch in Aliso*, 11(4): 546 (1987)—Mexico.  
 trifurcatum *K. Vollesen in Kew Bull.*, 42(2): 342 (1987)—Somali Republic.

**GOUANIA** (Rhamnac.).

- axilliflora *M.C. Johnston in Syst. Bot.*, 13(4): 493 (1988)—Peru.  
 wurdackii *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(2): 1065 (1988)—Venezuela.

**GOULDOCHLOA** J. Valdés R., C.W. Morden & S.L. Hatch in *Syst. Bot.*, 11(1): 112 (1986). **GRAMINEAE**.

- curvifolia *J. Valdés R., C.W. Morden & S.L. Hatch in Syst. Bot.*, 11(1): 112 (1986)—Mexico.

**GOVENIA** (Orchidac.).

- bella *E.W. Greenwood in Orquídea (México)*, 10(2): 230 (1987)—Mexico.

**GRAELLSIA** (Crucif.).

- hederifolia (*Coss.*) *R.D. Hyam & S.L. Jury in Bot. J. Linn. Soc.*, 102(1): 21 (1990): *Draba hederifolia*.  
   *subsp. cossonii (Schulz) R.D. Hyam & S.L. Jury in Bot. J. Linn. Soc.*, 102(1): 21 (1990), as '(Schulz) Maire': *Draba cossonii*.

**GRAFFENRIEDA** (Melastomatac.).

- kralii *J.J. Wurdack in Mem. New York Bot. Gard.*, 51: 102 (1989)—Venezuela.

**GRAHAMIA** (Portulacac.).

- palmeri (*Brandege*) *B.L. Nyananyo & Heywood in Folia Geobot. Phytotax.*, 23(2): 218 (1988): *Talinaria palmeri*.

**GRAMMICA** (Convolvulac.).

- cesatiana (*Bertol.*) *J. Chrtek in Fl. Slovenska*, 4(4): 558 (1988): *Cuscuta cesatiana*.

**GRAPHARDISIA** (Myrsinac.).

- coibana *C.L. Lundell in Phytologia*, 59(6): 429 (1986)—Panama.  
 murphyae *C.L. Lundell in Phytologia*, 63(2): 77 (1987)—Costa Rica.  
 nicaraguensis *C.L. Lundell in Phytologia*, 59(6): 429 (1986)—Nicaragua.  
 obtusata *C.L. Lundell in Phytologia*, 59(6): 430 (1986)—Panama.  
 oxyphylla *C.L. Lundell in Phytologia*, 59(6): 430 (1986)—Panama.  
 purpurea *C.L. Lundell in Phytologia*, 59(6): 431 (1986)—Panama.  
 seranoana *C.L. Lundell in Phytologia*, 59(6): 431 (1986)—Panama.  
 skutchii (*Morton*) *C.L. Lundell in Phytologia*, 59(6): 432 (1986): *Ardisia skutchii*.  
 ustupoana *C.L. Lundell in Phytologia*, 59(6): 432 (1986)—Panama.

- ×**GRAPHIELLA** hort. in *Orchid Rev.*, 96(1136): centre page pull-out p. 8 (1988). **ORCHIDACEAE**. (*Cymbidiella* × *Graphorkis*).

**GRAPTOPETALUM** (Crassulac.).

- paraguayense  
   *subsp. bernalense M. Kimnach & R. Moran in Cact. Succ. J. (U.S.A.)*, 58(2): 54 (1986)—Mexico.  
 pentandrum  
   *subsp. superbum M. Kimnach in Cact. Succ. J. (U.S.A.)*, 59(4): 142 (1987)—Cultivation ex Mexico.

**GRAYIA** (Chenopodiac.).

- brandegei  
   *var. plummeri H.C. Stutz & S.C. Sanderson in Madroño*, 34(2): 148 (1987)—U.S.A. (Utah, Colorado, Wyoming, New Mexico).

**GRAZIELIA** (Compos.).

- brevipetiolata *R.M. King & H. Robinson in Phytologia*, 65(6): 487 (1989), nom. nov.: *Eupatorium brevipetiolatum Schultz-Bip. ex Hieron.*

**GREENEA** (Rubiace.).

- bahadurii *R.C. Gaur & R. Dayal in Indian J. Forest.*, 8(4): 323 (1985 publ. 1986)—India.

**GREENWOODIA** P. Burns-Balogh in *Orquídea (México)*, 10(1): 1 (1986). **ORCHIDACEAE**.

- sawyeri (*Standl. & L.O. Wms.*) *P. Burns-Balogh in Orquídea (México)*, 10(1): 1 (1986): *Spiranthes sawyeri*.

**GRENACHERIA** (Myrsinac.).

- royenii *H. Sleumer in Blumea*, 32(2): 395 (1987)—New Guinea (W. Irian).

**GREVILLEA** (Proteac.).

- acacioides *C. Gardner ex D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986)—Australia (W. Australia).

**GREVILLEA** :-

- acanthifolia  
   *subsp. paludosa R.O. Makinson & D.E. Albrecht in Muelleria*, 7(1): 89 (1989)—Australia (New South Wales).  
 acerata *D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986)—Australia (New South Wales).  
 acrobotrya  
   *subsp. uniforma D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986)—Australia (W. Australia).  
 adenotricha *D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986)—Australia (New South Wales).  
 aneura *D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986)—Australia (W. Australia).  
 arenaria  
   *subsp. montana (R. Br.) D.J. McGillivray, New Names Grevillea (Proteac.)*: 1 (1986): *G. montana*.  
 baileyana *D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986), nom. nov.: *Kermadecia pinnatifida F.M. Bailey*.  
 barklyana  
   *subsp. macleayana D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986)—Australia (New South Wales).  
 batrachioides *F. Muell. ex D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986)—Australia (?W. Australia).  
 baueri  
   *subsp. asperula D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986)—Australia (New South Wales).  
 beadleana *D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986)—Australia (New South Wales).  
 beardiana *D.J. McGillivray, New Names Grevillea (Proteac.)*: 2 (1986)—Australia (W. Australia).  
 bedgoodiana *J.H. Willis ex D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986)—Australia (Victoria).  
 benthamiana *D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986)—Australia (N. Terr.).  
 brachystylis  
   *subsp. australis G.J. Keighery in Nuytsia*, 7(2): 128 (1990)—Australia (W. Australia).  
 bronweniae *G.J. Keighery in Nuytsia*, 7(2): 128 (1990), as 'bronwenae'—Australia (W. Australia).  
 buxifolia  
   *subsp. phyllicoides (R. Br.) D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986): *G. phyllicoides*.  
   *subsp. sphacelata (R. Br.) D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986): *G. sphacelata*.  
 byrnesii *D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986)—Australia (N. Terr.).  
 cagiana *D.J. McGillivray, New Names Grevillea (Proteac.)*: 3 (1986)—Australia (W. Australia).  
 christinae *D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986)—Australia (W. Australia).  
 concinna  
   *subsp. lemanniana (Meisn.) D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986): *G. lemanniana*.  
 curviloba *D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986), nom. nov.: *G. vestita* var. *angustata Meisn.*  
 decipiens *D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986)—Australia (W. Australia).  
 didymobotrya  
   *subsp. involuta D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986)—Australia (W. Australia).  
 diffusa  
   *subsp. evansiana (McKee) D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986): *G. evansiana*.  
   *subsp. filipendula D.J. McGillivray, New Names Grevillea (Proteac.)*: 4 (1986)—Australia (New South Wales).  
 disjuncta  
   *subsp. dolichopoda D.J. McGillivray, New Names Grevillea (Proteac.)*: 5 (1986)—Australia (W. Australia).  
 diversifolia  
   *subsp. subtersericata D.J. McGillivray, New Names Grevillea (Proteac.)*: 5 (1986)—Australia (N. Terr.).

**GREVILLEA** :-

- donaldiana K.F. Kenneally in *West. Austral. Nat.*, 17(5): 115 (1988)—Australia (W. Australia).  
 drummondii  
   subsp. centrastigma D.J. McGillivray, *New Names Grevillea* (Proteac.): 5 (1986)—Australia (W. Australia).  
   subsp. pimeleoides (W.V. Fitzg.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 5 (1986): G. pimeleoides.  
 dryandri  
   subsp. dasycarpa D.J. McGillivray, *New Names Grevillea* (Proteac.): 5 (1986)—Australia (N. Terr.).  
 eriostachya  
   subsp. excelsior (Diels) D.J. McGillivray, *New Names Grevillea* (Proteac.): 5 (1986): G. excelsior.  
 formosa D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986)—Australia (N. Terr.).  
 georgeana D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986)—Australia (W. Australia).  
 glabrata  
   subsp. dissectifolia D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986)—Australia (W. Australia).  
   subsp. ornithopoda (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986): G. ornithopoda.  
 goodii  
   subsp. decora (Domin) D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986): G. decora.  
   subsp. pluricaulis D.J. McGillivray, *New Names Grevillea* (Proteac.): 6 (1986)—Australia (N. Terr.).  
 granulosa D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986)—Australia (W. Australia).  
 hakeoides  
   subsp. commutata (F. Muell.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986): G. commutata.  
   subsp. stenophylla (W.V. Fitzg.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986): G. stenophylla.  
 iaspicula D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986)—Australia (New South Wales).  
 infecunda D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986)—Australia (Victoria).  
 integrifolia  
   subsp. biformis (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986): Grevillea biformis.  
   subsp. ceratocarpa (Diels) D.J. McGillivray, *New Names Grevillea* (Proteac.): 7 (1986): G. ceratocarpa.  
   subsp. incrassata (Diels) D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986): G. incrassata.  
   subsp. shuttleworthiana (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986): G. shuttleworthiana.  
 kenneallyi D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986)—Australia (W. Australia).  
 leptopoda D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986)—Australia (W. Australia).  
 leucoclada D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986)—Australia (W. Australia).  
 linsmithii D.J. McGillivray, *New Names Grevillea* (Proteac.): 8 (1986)—Australia (Queensland).  
 lissopleura D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (W. Australia).  
 longicuspis D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (N. Terr.).  
 lullfitzii D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (W. Australia).  
 makinsonii D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (W. Australia).  
 manglesioides  
   subsp. papillosa D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (W. Australia).  
 maxwellii D.J. McGillivray, *New Names Grevillea* (Proteac.): 9 (1986)—Australia (W. Australia).  
 minutiflora D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (W. Australia).  
 molyneuxii D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (New South Wales).

**GREVILLEA** :-

- murex D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (W. Australia).  
 myosodes D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (W. Australia).  
 nana  
   subsp. abbreviata D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (W. Australia).  
 newbeyi D.J. McGillivray, *New Names Grevillea* (Proteac.): 10 (1986)—Australia (W. Australia).  
 obtusiflora  
   subsp. granulifera D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (New South Wales).  
   subsp. kedumbensis D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (New South Wales).  
 oldei D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (New South Wales).  
 pauciflora  
   subsp. psilophylla D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (W. Australia).  
   subsp. saxatilis D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (W. Australia).  
 petrophiloides  
   subsp. magnifica D.J. McGillivray, *New Names Grevillea* (Proteac.): 11 (1986)—Australia (W. Australia).  
   subsp. oligomera D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (W. Australia).  
 phillipsiana D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (W. Australia).  
 pilosa  
   subsp. dissecta D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (W. Australia).  
 polyacida D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (N. Terr.).  
 prasina D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (N. Terr.).  
 psilantha D.J. McGillivray, *New Names Grevillea* (Proteac.): 12 (1986)—Australia (W. Australia).  
 rosieri D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
 roycei D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
 salicifolia Endl., *Cat. Horti Vindob.*, 1: 287 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984)—Locality not stated.  
 sarissa  
   subsp. anfractifolia D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
   subsp. bicolor D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
   subsp. rectipala D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
   subsp. succincta D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986)—Australia (W. Australia).  
   subsp. umbellifera (J.M. Black) D.J. McGillivray, *New Names Grevillea* (Proteac.): 13 (1986): G. umbellifera.  
 scortechinii  
   subsp. sarmentosa (Blakely & McKie) D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986): G. sarmentosa.  
 secunda D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986)—Australia (W. Australia).  
 speciosa  
   subsp. dimorpha (F. Muell.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986): G. dimorpha.  
   subsp. oleoides (Sieber ex Schultes & Schultes f.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986): G. oleoides.  
 spinosa D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986)—Australia (W. Australia).  
 spinosissima D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986)—Australia (W. Australia).

**GREVILLEA** :-

- subtiliflora D.J. McGillivray, *New Names Grevillea* (Proteac.): 14 (1986)—Australia (W. Australia).  
 tetrapleura D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986)—Australia (W. Australia).  
 thelemanniana  
   subsp. delta D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986)—Australia (W. Australia).  
   subsp. fililoba D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986)—Australia (W. Australia).  
   subsp. hirtella (Benth.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986): G. pinaster var. hirtella.  
   subsp. obtusifolia (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986): G. obtusifolia.  
   subsp. pinaster (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986): G. pinaster.  
   subsp. preissii (Meisn.) D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986): G. preissii.  
 uncinata  
   subsp. florida D.J. McGillivray, *New Names Grevillea* (Proteac.): 15 (1986)—Australia (W. Australia).  
 velutinella D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (W. Australia).  
 versicolor D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (N. Terr.).  
 vestita  
   subsp. isopogoides D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (W. Australia).  
 whiteana D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (Queensland).  
 wickhamii  
   subsp. aprica D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (N. Terr.).  
 willisii  
   subsp. pachylostyla D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (Victoria).  
 wittweri D.J. McGillivray, *New Names Grevillea* (Proteac.): 16 (1986)—Australia (W. Australia).

**GREWIA** (Tiliac.).

- fabreguesii E. Boudouresque in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 397 (1988 publ. 1989)—Niger, Zimbabwe, Senegal, Namibia, Chad, Kenya, Mauritania, Cameroun.  
 gillettii Sebsebe Demissew & B. Mathew in *Kew Bull.*, 45(2): 323 (1990)—Somali Republic, Ethiopia, Yemen.  
 ogadenensis Sebsebe Demissew in *Kew Bull.*, 43(3): 531 (1988)—Ethiopia, Somali Republic.

**GRIFFINIA** (Amaryllidac.).

- liboniana Morren in *Ann. Soc. Roy. Agr. Bot. Gand*, 1: 143 (1845); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.

**GRINDELIA** (Compos.).

- arizonica  
   var. neomexicana (Woot. & Standl.) G.L. Nesom in *Phytologia*, 68(4): 318 (1990): G. neomexicana.  
 cabreriae L.A. Espinar in *Kurtziana*, 9: 81 (1976)—Argentina.  
   var. alatocarpa L. Ariza Espinar in *Kurtziana*, 20: 170 (1989)—Argentina.  
 eligulata (Steyer.) G.L. Nesom in *Phytologia*, 68(4): 311 (1990): G. oxylepis var. eligulata.  
 glutinosa (Cav.) Mart., *Hort. Acad. Erlangen*: 182 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): Basionym not stated.  
 hintoniorum G.L. Nesom in *Phytologia*, 68(4): 328 (1990)—Mexico.  
 inuloides  
   var. hirtella (Robinson & Greenm.) G.L. Nesom in *Phytologia*, 68(4): 326 (1990): G. squarrosa var. hirtella.  
   var. latamplexa G.L. Nesom in *Phytologia*, 68(4): 327 (1990)—Mexico.

**GRINDELIA** :-

- lanceolata  
var. *greenii* (Steerm.) G.L. Nesom in *Phytologia*, 68(4): 324 (1990): G. *greenii*.  
macvaughii G.L. Nesom in *Phytologia*, 68(4): 312 (1990)—Mexico.  
nuda  
var. *aphanactis* (Rydb.) G.L. Nesom in *Phytologia*, 68(4): 310 (1990): G. *aphanactis*.  
oaxacana G.L. Nesom in *Phytologia*, 68(4): 323 (1990), nom. nov.: G. *microcephala* var. *montana* Steerm.  
turneri G.L. Nesom in *Phytologia*, 68(4): 313 (1990)—Mexico.  
vetimontis G.L. Nesom in *Phytologia*, 68(4): 330 (1990)—Mexico.

**GROSOURDYA** (Orchidac.).

- callifera G. Seidenfaden in *Op. Bot.*, 95: 320 (1988)—Thailand.

**GUADUA** (Gramin.).

- angustifolia  
var. *bicolor* X. Londoño in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 379 (1989)—Colombia.

**GUAPIRA** (Nyctaginac.).

- amacurensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 615 (1987)—Venezuela.  
ayacuchae J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 615 (1987)—Venezuela, Colombia.  
bolivarensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 616 (1987)—Venezuela.  
davidsei J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 617 (1987)—Venezuela.  
glabriflora J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 617 (1987)—Venezuela.  
marcano-bertii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 618 (1987)—Venezuela.  
neblinensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 109 (1989)—Venezuela.  
sancarlosiana J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 618 (1987)—Venezuela.  
sipapoana J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 620 (1987)—Venezuela.

**GUAREA** (Meliac.).

- luciae H. de Souza Barreiros in *Albertoa*, 1(9): 70 (1987)—Brazil.  
paniculata F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 6: 306 (1 January 1832); fide D.J. Mabberley in *Taxon*, 26(5-6): 528 (1977)—India.  
pendula R. da Silva Ramalho, A.L. Pinheiro & T.D. Pennington in *Rev. Arvore*, 11(2): 185 (1987 publ. 1988)—Brazil.

**GUATTERIA** (Annonac.).

- alata P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 250 (1988)—Panama.  
atabapensis Aristeguieta ex D.M. Johnson & N.A. Murray in *Ann. Missouri Bot. Gard.*, 77(3): 599 (1990)—Venezuela.  
chrysophylla P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 252 (1988)—Ecuador, Peru.  
clusiifolia D.M. Johnson & N.A. Murray in *Ann. Missouri Bot. Gard.*, 77(3): 599 (1990)—Guyana.  
cuatrecasasii D. Sánchez S. in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 253 (1988)—Colombia, Ecuador.  
liesneri D.M. Johnson & N.A. Murray in *Ann. Missouri Bot. Gard.*, 77(3): 598 (1990)—Venezuela, Brazil.  
notabilis R. de Mello-Silva & J.R. Pirani in *Bol. Bot. (São Paulo)*, 10: 44 (1988)—Brazil.  
rotundata P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 255 (1988)—Panama.  
sessilicarpa P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 257 (1988)—Panama.

**GUETTARDA** (Rubiace.).

- andamanica A.K. Goel & B.N. Mehrotra in *Indian J. Forest.*, 11(3): 241 (1988)—Andaman Is.  
turrialbana N. Zamora V. & L.J. Poveda A. in *Ann. Missouri Bot. Gard.*, 75(3): 1157 (1988)—Costa Rica.

**GUILLENIA** (Crucif.).

- bracteosa (Jafri) H.B. Naithani & S. Biswas in H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 42 (1990): *Microsisymbrium* bracteosum.

**GUINDILIA** (Sapindac.).

- cristata (Radlk.) A.T. Hunziker in *Kurtziana*, 9: 100 (1976): *Valenzuelia* cristata.  
dissecta (Covas & Burk.) A.T. Hunziker in *Kurtziana*, 9: 100 (1976): *Valenzuelia* dissecta.

**GUIOA** (Sapindac.).

- subsect. *Acutifolia* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 135 (1989).  
subgen. *Dimereza* (Labill.) P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 133 (1989): gen. *Dimereza*.  
sect. *Dimereza* (Labill.) P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 135 (1989): gen. *Dimereza*.  
subsect. *Dimereza* (Labill.) P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 136 (1989): gen. *Dimereza*.  
subsect. *Montana* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 135 (1989).  
sect. *Oligotricha* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 134 (1989).  
subsect. *Patentinervis* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 134 (1989).  
subsect. *Pleuropteris* (Blume) P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 136 (1989): *Cupania* sect. *Pleuropteris*.  
sect. *Pteropoda* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 133 (1989).  
sect. *Rigidiuscula* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 134 (1989).  
subsect. *Rigidiuscula* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 134 (1989).  
subsect. *Semiglaucia* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 135 (1989).  
sect. *Subsericea* P.C. van Welzen, *Guioa* Cav. (*Sapindac.*): *Taxon.*, *Phylog.*, and *Histor. Biogeog. (Leiden Bot. Ser.*, 12): 135 (1989).  
asquamosa P.C. van Welzen in *Blumea*, 33(2): 411 (1988)—Lesser Sunda Is.  
elliptica P.C. van Welzen in *Blumea*, 33(2): 411 (1988)—British Solomon Is.  
glauca  
var. *vulgaris* P.C. van Welzen in *Blumea*, 33(2): 411 (1988), nom. nov.: G. *glauca* f. *trachycalyx* Radlk.  
grandifoliola P.C. van Welzen in *Blumea*, 33(2): 412 (1988)—New Guinea (Papua New Guinea).  
hirsuta P.C. van Welzen in *Blumea*, 33(2): 412 (1988)—Celebes.  
malukuensis P.C. van Welzen in *Blumea*, 33(2): 418 (1988)—Moluccas.  
marensis A. Guillaumin in *Mém. Mus. Nation. Hist. Nat. Nouv. Sér.*, B (Paris), 15(2): 111 (1967), without type—New Caledonia.  
megacarpa P.C. van Welzen in *Blumea*, 33(2): 418 (1988)—Santa Cruz Is. South Pacific.  
misimaensis P.C. van Welzen in *Blumea*, 33(2): 418 (1988)—Louisiane Archipelago.  
multijuga P.C. van Welzen in *Blumea*, 33(2): 418 (1988)—New Guinea (W. Irian).  
normanbiensis P.C. van Welzen in *Blumea*, 33(2): 418 (1988)—Louisiane Archipelago.  
novobritannica P.C. van Welzen in *Blumea*, 33(2): 419 (1988)—New Britain.  
noeobudaensis P.C. van Welzen in *Blumea*, 33(2): 419 (1988)—Vanuatu.  
palawana P.C. van Welzen in *Blumea*, 33(2): 419 (1988)—Philippine Is.  
pseudoamabilis P.C. van Welzen in *Blumea*, 33(2): 419 (1988)—New Guinea (Papua New Guinea).

**GUIOA** :-

- pterorhachis P.C. van Welzen in *Blumea*, 33(2): 419 (1988)—Borneo (Sabah).  
punctata P.C. van Welzen in *Blumea*, 33(2): 420 (1988)—Fiji.  
scalariformis P.C. van Welzen in *Blumea*, 33(2): 420 (1988)—New Guinea (Papua New Guinea).  
sufusana P.C. van Welzen in *Blumea*, 33(2): 420 (1988)—British Solomon Is.  
unguiculata P.C. van Welzen in *Blumea*, 33(2): 420 (1988)—New Guinea (Papua New Guinea).  
waigeoensis P.C. van Welzen in *Blumea*, 33(2): 420 (1988)—New Guinea (W. Irian).

**GUNNARELLA** K. Senghas in *Orchidee*, 39(2): 71 (1988). **ORCHIDACEAE**.

- aymardii (N. Hallé) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* aymardii.  
begaudii (N. Hallé) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* begaudii.  
brigitiae (Hallé) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* brigitiae.  
carinata (J.J. Sm.) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* carinatus.  
florentiae (Hallé) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* florentiae.  
gracilis (Schltr.) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* gracilis.  
laxus (Schltr.) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* laxus.  
neocaledonicus (Rendle) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Sarcophilus* neocaledonicus.  
paniculatus (J.J. Sm.) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Chamaeanthus* paniculatus.  
robertsii (Schltr.) K. Senghas in *Orchidee*, 39(2): 73 (1988): *Sarcophilus* robertsii.

**GUNNESSIA** P.I. Forster in *Austrobaileya*, 3(2): 282 (1990). **ASCLEPIADACEAE**.

- pepo P.I. Forster in *Austrobaileya*, 3(2): 282 (1990)—Australia (Queensland).

**GUTENBERGIA** (Compos.).

- sect. *Paurolepis* (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 250 (1988): gen. *Paurolepis*.  
sect. *Platylepis* (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 250 (1988): *Erlangea* sect. *Platylepis*.  
babatiensis C. Jeffrey in *Kew Bull.*, 43(2): 253 (1988)—Tanzania.  
cordifolia  
var. *depauperata* (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 252 (1988): *Erlangea* marginata var. *depauperata*.  
var. *glanduliflora* (Wehuysen) C. Jeffrey in *Kew Bull.*, 43(2): 252 (1988): G. *glanduliflora*.  
var. *marginata* (O. Hoffm.) C. Jeffrey in *Kew Bull.*, 43(2): 252 (1988): *Bothriocline* marginata.  
var. *pulchra* (B.L. Burt) C. Jeffrey in *Kew Bull.*, 43(2): 253 (1988): *Erlangea* pulchra.  
filifolia (R.E. Fr.) C. Jeffrey in *Kew Bull.*, 43(2): 254 (1988): *Herderia* filifolia.  
fruticosa (O. Hoffm.) C. Jeffrey in *Kew Bull.*, 43(2): 251 (1988): *Ageratina* fruticosa.  
gilbertii C. Jeffrey in *Kew Bull.*, 43(2): 251 (1988)—Kenya.  
pubescens (S. Moore) C. Jeffrey in *Kew Bull.*, 43(2): 255 (1988): *Ethulia* pubescens.  
rueppellii  
var. *fischeri* (R.E. Fr.) C. Jeffrey in *Kew Bull.*, 43(2): 254 (1988): G. *fischeri*.

**GUTIERREZIA** (Compos.).

- petradoria (Welsh & Goodrich) S.L. Welsh in *Great Basin Nat.*, 43(2): 288 (1983): *Xanthocephalum* petradoria.  
pomariensis (Welsh) S.L. Welsh in *Great Basin Nat.*, 43(2): 288 (1983): G. *sarothrae* var. *pomariensis*.

**GUZMANIA** (Bromeliac.).

- alborosea H.E. Luther in *Selbyana*, 9(1): 187 (1986)—Ecuador.  
andreettae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 46 (1986)—Ecuador.  
butcheri W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 42 (1988)—Panama.

**GUZMANIA** :-

- circinnata W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 48 (1987)—Panama.
- foetida W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 52 (1987)—Ecuador.
- madisonii H.E. Luther in *Selbyana*, 11: 56 (1989)—Ecuador.
- morreniana  
var. tenuifolia H.E. Luther in *Selbyana*, 11: 57 (1989)—Peru.
- musaica  
var. discolor H.E. Luther in *Selbyana*, 11: 56 (1989)—Panama.
- var. rosea H.E. Luther in *Selbyana*, 11: 56 (1989)—Panama.
- rauhiana H.E. Luther in *J. Bromeliad Soc.*, 38(3): 104 (1988)—Ecuador.
- sanguinea  
var. comosa H.E. Luther in *Selbyana*, 11: 54 (1989)—Colombia.
- scherzeriana  
var. albiflora W. Rauh in *J. Bromeliad Soc.*, 36(4): 164 (1986)—Ecuador.
- terrestris L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 73(4): 715 (1986 publ. 1987)—Venezuela.
- thyrsoidea W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 50 (1986)—Costa Rica.
- zahnii  
var. longiscapa W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 45 (1988)—Panama.

**GYMNACRANTHERA** (Myristicac.).

- farquhariana  
var. eugeniifolia (A.D.C.) R.T.A. Schouten in *Blumea*, 31(2): 480 (1986): Myristica eugeniifolia.
- var. paniculata (A.D.C.) R.T.A. Schouten in *Blumea*, 31(2): 481 (1986): Myristica paniculata.
- var. zippeliana (Miq.) R.T.A. Schouten in *Blumea*, 31(2): 482 (1986): Myristica zippeliana.
- maliliensis R.T.A. Schouten in *Blumea*, 31(2): 467 (1986)—Celebes.
- ocellata R.T.A. Schouten in *Blumea*, 31(2): 469 (1986)—Borneo (Sabah, Sarawak, Brunei, Kalimantan).

**GYMNADENIA** (Orchidac.).

- habenarioides (King & Pantl.) P. Vermeulen in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 33 (1972): Orchis habenarioides.

**GYMNANTHEMUM** (Compos.).

- coloratum (Willd.) H. Robinson & B. Kahn in *Proc. Biol. Soc. Wash.*, 99(3): 501 (1986): Eupatorium coloratum.

**GYMNANTHERA** (Asclepiadac.).

- fruticosa K.L. Wilson in *J. Adelaide Bot. Gard.*, 10(1): 113 (1987)—Australia (N. Terr.).

**GYMNANTHES** (Euphorbiac.).

- dressleri G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1130 (1988)—Panama.
- farinosa (Griseb.) G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1131 (1988): Excoecaria farinosa.

**GYMNEMA** (Asclepiadac.).

- acuminatum  
var. glabrum M.A. Rahman & C.C. Wilcock in *Blumea*, 34(1): 100 (1989)—Bangladesh, Burma.
- dunnii (Maiden & Betcher) P.I. Forster in *Austrobaileya*, 2(4): 401 (1987): Marsdenia rostrata var. dunnii.

**×GYMNIGRITELLA** (Orchidac.).

- runci H. Teppner & E. Klein in *Phyton (Austria)*, 29(2): 163 (1989)—Sweden.
- truongiae M. Demares in *Orchidophile*, 82: 110 (1988), as 'truongae'—France. (Gymnadenia conopsea × Nigritella corneliana).

- GYMNOCACTUS** John & Riha in *Kaktusy*, 19(1): 22 (1981), contrary to Art. 64.1 ICBN 1983; cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 7 (1985). **CACTACEAE**.

**GYMNOCALYCIMUM** (Cactac.).

- achirasense Till & Schatzl ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- acorrugatum J.G. Lambert in *Succulenta*, 67(1): 4 (1988)—Argentina.
- alboareolatum  
var. ramosum W. Rausch in *Gymnocalycium*, 3(2): 31 (1990)—Argentina.
- bayrianum Till ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- borthii Koop ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- bruchii  
var. brigitiae J. Piltz in *Succulenta*, 66(10): 213 (1987)—Argentina.
- var. niveum W. Rausch in *Succulenta*, 68(9): 180 (1989)—Argentina.
- eurypleurum F. Ritter ex F. Plesnik in *Kaktusy (Brno)*, 8(3): 70 (1972)—Paraguay.
- ferox (Backeb.) Slaba in *Kaktusy*, 20(4): 80 (1984), basionym not validly publ.; cf. *Repert. Pl. Succ. (I.O.S.)*, 35: 4 (1985): G. hybopleurum var. ferox.
- var. ferocior (Backeb.) Slaba in *Kaktusy*, 20(4): 83 (1984), basionym not validly publ.; cf. *Repert. Pl. Succ. (I.O.S.)*, 35: 4 (1985): G. hybopleurum var. ferocior.
- horridispinum Frank ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- intertextum Backeberg ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- kozelskyanum B. Schütz in *Kaktusy (Brno)*, 66(Duben): 47 (1966)—Argentina.
- monvillei  
var. grandiflorum (Bckbg.) H. Till in *Gymnocalycium*, 3(3): 38 (1990): G. grandiflorum.
- var. steineri H. Till in *Gymnocalycium*, 3(3): 39 (1990)—Argentina.
- moserianum B. Schütz in *Kaktusy (Brno)*, 66(Ünor–Březen): 28 (1966)—Argentina.
- obductum J. Piltz in *Succulenta*, 69(4): 75 (1990)—Argentina.
- pflanzii  
subspec. argentinense H. Till & W. Till in *Kakt. And. Sukk.*, 39(12): 277 (1988)—Argentina.
- platense  
var. ventanica (Speg.) R. Kiesling in *Succulenta*, 67(11): 237 (1988): Echinocactus gibbosus var. ventanica.
- pugionacanthum Backeberg ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- rauschii H. Till & W. Till in *Succulenta*, 69(2): 27 (1990)—Uruguay.
- schroederianum  
subsp. bayense R. Kiesling in *Cact. Succ. J. (U.S.A.)*, 59(2): 48 (1987)—Argentina.
- subsp. paucicostatum R. Kiesling in *Cact. Succ. J. (U.S.A.)*, 59(2): 49 (1987)—Argentina.
- striglianum Jeggle ex H. Till in *Kakt. And. Sukk.*, 38(8): 191 (1987)—Argentina.
- tingaense J. Piltz in *Kakt. And. Sukk.*, 41(2): 26 (1990)—Argentina.

**GYMNOPETALUM** G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 52 (1840). **CUCURBITACEAE**.

- ceylanicum G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 52 (1840), nom. illegit.—E. Indies.
- wightii G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 52 (1840)—E. Indies.

**GYMNOSPERMIUM** (Berberidac.).

- kiangnanensis (Chiu) H. Loconte in *Canad. J. Bot.*, 67(8): 2315 (1989): Leontice kiangnanensis.

**GYMNOSPORIA** (Celastrac.).

- wightiana (Babu) R.S. Rao, *Fl. Goa, Diu, Daman, Dadra & Nagarhaveli (Fl. India, Ser. 2)*, 1: 76 (1985): Maytenus wightiana.

**GYMNOSTACHYUM** (Acanthac.).

- febrifugum  
var. bracteatum V.S. Ramachandran in V.S. Ramachandran & V.J. Nair, *Fl. Cannanore*: 336 (1988)—India.

**GYMNOSTOMA** (Casuarinac.).

- australianum L.A.S. Johnson in *Fl. Australia*, 3: 202, 103 (1989)—Australia (Queensland).

**GYNOCHTHODES** (Rubiace.).

- australiensis J.T. Johansson in *Austral. Syst. Bot.*, 1(4): 369 (1988 publ. 1989), as 'Gynochtododes'—Australia (N. Terr., Queensland).
- epiphytica (Rechinger) A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 343 (1988), as 'Gynochtododes': Plontronia epiphytica.

**GYNOPACHIS** (Rubiace.).

- beccariana (Baillon) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 284 (1986): Randia beccariana.
- binata (King & Gamble) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 283 (1986): Randia binata.
- impressinervis (King & Gamble) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 283 (1986): Randia impressinervis.
- jambosoides (Valeton) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 284 (1986): Randia jambosoides.
- pulcherrima (Merr.) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 285 (1986): Randia pulcherrima.
- umbellata (Elm.) D.D. Tirvengadam in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 283 (1986): Randia umbellata.

**GYNOSTEMMA** (Cucurbitac.).

- guangxiense X.X. Chen & D.H. Qin in *Acta Bot. Yunnanica*, 10(4): 495 (1988)—China.
- pentagynum Z.P. Wang in *Acta Bot. Yunnanica*, 11(2): 165 (1989)—China.
- yixingense  
var. trichocarpum J.N. Ding in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 71 (1990)—China.

**GYNOXYS** (Compos.).

- colanensis M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 40(2): 221 (1988)—Peru.
- dilloniana A. Sagástegui-Alva & C. Tellez-Alvarado in *Brittonia*, 39(4): 432 (1987)—Peru.
- lopezii M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 40(2): 223 (1988)—Peru.
- tetroici V.A. Funk & H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 243 (1989)—Peru.

**GYNURA** (Compos.).

- campanulata C. Jeffrey in *Kew Bull.*, 41(4): 929 (1986)—Kenya.
- cusimbua  
var. petiolata (Hook. f.) R. Mathur in *R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.*: 42 (1988): G. angulosa var. petiolata.

**drymophila**

- var. glabrifolia P.I. Forster & A. Thongpukdee in *Austrobaileya*, 2(5): 564 (1988)—Australia (Queensland).
- hmopaengensis H. Koyama in *Acta Phytotax. Geobot.*, 39(4-6): 152 (1988)—Thailand.
- malaccensis R.O. Belcher in *Kew Bull.*, 44(3): 538 (1989)—Malaya.

**GYPSACANTHUS** E.J. Lott, V. Jaramillo L. & J. Rzedowski in *Bol. Soc. Bot. Méx.*, 46: 47 (1984 publ. 1986). **ACANTHACEAE**.

- nelsonii E.J. Lott, V. Jaramillo L. & J. Rzedowski in *Bol. Soc. Bot. Méx.*, 46: 47 (1984 publ. 1986)—Mexico.

**GYPSOPHILA** (Caryophyllac.).

- sect. Hispidae (Schischk.) K.H. Rechinger in *Fl. Iran.*, 163: 241 (1988): G. ser. Hispidae.
- sect. Hoplites K.H. Rechinger in *Fl. Iran.*, 163: 217 (1988).
- subgen. Kabulianthe K.H. Rechinger in *Fl. Iran.*, 163: 244 (1988).
- leiocladia K.H. Rechinger in *Fl. Iran.*, 163: 238 (1988)—Iran.
- makranica (Rech.f.) S.A. Ghazanfar in *Fl. Pakistan*, 175: 94 (1986): Saponaria makranica.



**GYPSOPHILA** :-

rupestris A.N. Kupriyanov in *Bot. Zhurn.*, 74(12): 1785 (1989)—U.S.S.R. (Middle Asia).

**GYRINOPS** (Thymelaeac.).

vidalii Pham-hoang Ho in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(3): 242 (1986)—Laos.

**H****HAAGEOCEREUS** (Cactac.).

weberbaueri (Schumann ex Vaupel) D. Hunt in *Bradleya*, 5: 92 (1987): *Cereus weberbaueri*.

**HABENARIA** (Orchidac.).

bougainvillae J. Renz in *Pl. Syst. Evol.*, 155(1-4): 326 (1987)—Bougainville Is.

brownelliana P.M. Catling in *Brittonia*, 39(3): 402 (1987)—Belize, Mexico.

elongata var. leptophylla J. Renz in *Pl. Syst. Evol.*, 155(1-4): 330 (1987)—New Guinea (Papua New Guinea).

ensigera J. Renz in *Pl. Syst. Evol.*, 155(1-4): 319 (1987)—New Guinea (W. Irian).

falcicornis subsp. caffra (Schltr.) J.C. Manning in *S. Afr. J. Bot.*, 55(2): 192 (1989): *H. caffra*.

indica C. Sathish Kumar & K.S. Manilal in *Taxon*, 35(4): 719 (1986), nom. nov.: *H. affinis* Wight.

ixtlanensis E.W. Greenwood in *Orquídea (México)*, 10(2): 297 (1987)—Mexico.

kolweziensis D. Geerinck & Schaijes in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 189 (1990)—Zaire.

magniscutata P.M. Catling in *Taxon*, 36(4): 760 (1987), nom. nov.: *H. rostrata* Pabst.

malacophylla var. shabaensis D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 481 (1987)—Zaire.

moosii (G. Williamson) J.C. Manning in *S. Afr. J. Bot.*, 55(2): 193 (1989): *H. lithophila* subsp. mossii.

polytrichoides L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988), nom. nov.: *H. stenopetala* var. polytricha Hook. f.

pseudociliosa Schelpe ex J.C. Manning in *S. Afr. J. Bot.*, 55(2): 193 (1989)—South Africa (Natal, Cape Province, Transvaal).

rechingeri J. Renz in *Pl. Syst. Evol.*, 155(1-4): 324 (1987)—New Guinea (W. Irian).

robbrechtiana D. Geerinck & M. Schaijes in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 481 (1987)—Zaire.

setifera (Tuyama) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 142 (1987): *Peristylus setifer*.

tangheana D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 482 (1987)—Zaire.

tenuifolia var. bianoensis D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 189 (1990)—Zaire.

trichoglossa J. Renz in *Pl. Syst. Evol.*, 155(1-4): 322 (1987)—New Guinea (Papua New Guinea).

unguilabris B.R. Adams in *Orchid Rev.*, 98(1155): 17 (1990)—Zimbabwe.

vandenbergheniana D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 483 (1987)—Zaire.

vasquezii C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 3: t. 237 (1989)—Bolivia.

vermeuleniana D. Geerinck & M. Schaijes in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 482 (1987)—Zaire.

zothecina L.C. Higgins & S.L. Welsh in *Great Basin Nat.*, 46(2): 259 (1986)—U.S.A. (Utah).

**HABRACANTHUS** (Acanthac.).

atropurpureus (Lindau) J.R.I. Wood in *Kew Bull.*, 43(1): 27 (1988): *Syringidium atropurpureum*.

charitopes (Leonard) J.R.I. Wood in *Kew Bull.*, 43(1): 27 (1988): *Hansteinia charitopes*.

harlingii D.C. Wasshausen in *Op. Bot.*, 92: 272 (1987)—Ecuador.

kirkbridei (Wasshausen) J.R.I. Wood in *Kew Bull.*, 43(1): 26 (1988): *Kalbreyeracanthus kirkbridei*.

**HABRACANTHUS** :-

leonardianus J.R.I. Wood in *Kew Bull.*, 43(1): 35 (1988)—Colombia.

magdalenensis (Wasshausen) J.R.I. Wood in *Kew Bull.*, 43(1): 28 (1988), without exact basionym page: *Hansteinia magdalenensis*.

maximus J.R.I. Wood in *Kew Bull.*, 43(1): 41 (1988)—Colombia.

puberulus (Lindau) J.R.I. Wood in *Kew Bull.*, 43(1): 31 (1988): *Stenostephanus puberulus*.

puniceus D.C. Wasshausen in *Acta Bot. Venezuel.*, 15(2): 135 (1987)—Venezuela.

racemosus J.R.I. Wood in *Kew Bull.*, 43(1): 29 (1988)—Colombia.

tachirensis D.C. Wasshausen in *Acta Bot. Venezuel.*, 15(2): 133 (1987)—Venezuela.

zuliensis D.C. Wasshausen in *Acta Bot. Venezuel.*, 15(2): 136 (1987)—Venezuela.

**HABRANTHUS** (Amaryllidac.).

albispirtus P. Ravenna in *Onira, Bot. Leaflet*, 1(8): 54 (1988)—Argentina.

bahiensis P. Ravenna in *Onira, Bot. Leaflet*, 1(8): 53 (1988)—Brazil.

lacteus (S. Moore) P. Ravenna in *Onira, Bot. Leaflet*, 1(8): 56 (1988): *Zephyranthes lactea*.

quilmesianus P. Ravenna in *Onira, Bot. Leaflet*, 1(8): 54 (1988)—Argentina.

**HAEGIELA** P. S. Short & Paul G. Wilson in *Muelleria*, 7(2): 259 (1990). **COMPOSITAE**.

tatei (F. Muell.) P. S. Short & Paul G. Wilson in *Muelleria*, 7(2): 263 (1990): *Epaltes tatei*.

**HAEMODORUM** (Haemodorac.).

discolor T.D. Macfarlane in *Fl. Australia*, 45: 464, 138 (1987)—Australia (W. Australia).

gracile T.D. Macfarlane in *Fl. Australia*, 45: 464, 147 (1987)—Australia (W. Australia).

loratum T.D. Macfarlane in *Fl. Australia*, 45: 464, 140 (1987)—Australia (W. Australia).

venosum T.D. Macfarlane in *Fl. Australia*, 45: 464, 138 (1987)—Australia (W. Australia).

**HAGENBACHIA** (Anthericac.).

columbiana R.W. Cruden in *Nordic J. Bot.*, 7(3): 259 (1987)—Colombia.

hassleriana (Baker) R.W. Cruden in *Nordic J. Bot.*, 7(3): 259 (1987): *Chlorophytum hasslerianum*.

panamensis (Standley) R.W. Cruden in *Phytologia*, 59(6): 380 (1986): *Anthericum panamense*.

**HAKEA** (Proteac.).

bicornata R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 104 (1990)—Australia (W. Australia).

cygna B. Lamont in *Bot. J. Linn. Soc.*, 94(4): 439 (1987)—Australia (W. Australia).

subsp. needlei B. Lamont in *Bot. J. Linn. Soc.*, 94(4): 440 (1987)—Australia (W. Australia).

erecta B. Lamont in *Bot. J. Linn. Soc.*, 94(4): 440 (1987)—Australia (W. Australia).

horrida C. Gardner ex R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 102 (1990)—Australia (W. Australia).

longiflora (Benth.) R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 106 (1990): *H. erinacea* var. longiflora.

newbeyana R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 103 (1990)—Australia (W. Australia).

obliqua subsp. parviflora R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 99 (1990)—Australia (W. Australia).

pandanicarpa subsp. crassifolia (Meissn.) R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 105 (1990): *H. crassifolia*.

pendens R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 100 (1990)—Australia (W. Australia).

psilorrhyncha R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 98 (1990)—Australia (W. Australia).

spatulata (Benth.) R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 107 (1990): *H. auriculata* var. spatulata.

teretifolia subsp. hirsuta (Endl.) R.M. Barker in *J. Adelaide Bot. Gard.*, 13: 105 (1990): *H. pugioniformis* β hirsuta.

**HALGANIA** (Boraginac.).

brachyrhyncha Peter G. Wilson in *Telopea*, 4(1): 137 (1990)—Australia (New South Wales, Queensland).

**HALIMOCNEMIS** (Chenopodiace.).

subsect. Brachyphylla U.P. Prato in *Aktualnye Voprosy Bot. v. SSSR: Tezisy Dokladov VIII S'ezda Vses. Bot. Obshch.*: 28 (1988), without latin descr.

subsect. Dolichophyllae U.P. Prato in *Aktualnye Voprosy Bot. v. SSSR: Tezisy Dokladov VIII S'ezda Vses. Bot. Obshch.*: 28 (1988), without latin descr. or type.

sect. Pentameræ U.P. Prato in *Aktualnye Voprosy Bot. v. SSSR: Tezisy Dokladov VIII S'ezda Vses. Bot. Obshch.*: 28 (1988), without latin descr. or type.

macranthera A. Bunge, *Beitr. Fl. Russl.*: 299 (1852)—U.S.S.R. (Middle Asia).†

**HALIMODENDRON** (Legumin.).

halodendron (Pall.) A. Voss in *Vilmorin's Blumengärtnerrei*, 1: (35) of Index (1896): *Robinia halodendron*.

triflorum (L'Hérit.) Sweet, *Hort. Brit.*, ed. 2: 144 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**HALOGETON** (Chenopodiace.).

acutifolius A. Bunge, *Beitr. Fl. Russl.*: 301 (1852)—U.S.S.R. (Middle Asia).†

kashmirianus C. Grey-Wilson & B.M. Wadhwa in *Kew Bull.*, 42(2): 473 (1987)—India, Xizang.

malacophyllus A. Bunge, *Beitr. Fl. Russl.*: 302 (1852)—Locality not stated.†

**HALOPHILA** (Hydrocharitac.).

ovalis subsp. ramamurthiana K. Ravikumar & R. Ganesan in *Aquatic Bot.*, 36(4): 351 (1990)—India.

**HALORAGIS** (Haloragac.).

acutangula f. stellata A.E. Orchard in *Nuytsia*, 5(3): 335 (1986)—Australia (W. Australia, S. Australia).

prostrata subsp. coquana A.E. Orchard in *Nuytsia*, 5(3): 335 (1986)—Cook Is.

subsp. tuvaluensis A.E. Orchard in *Nuytsia*, 5(3): 336 (1986)—Vanuatu.

**HALOXYLON** Bunge ex E. Fenzl in Ledeb., Fl. Ross., 3: 819 (1851). **CHENOPODIACEAE**. †

ammodendron (C.A. Meyer) Bunge ex E. Fenzl in *Ledeb., Fl. Ross.*, 3: 820 (1851): *Anabasis ammodendron*.†

articulatum A. Bunge, *Beitr. Fl. Russl.*: 293 (1852)—Locality not stated.†

**HAMAMELIS** (Hamamelidac.).

japonica f. auriflora N. Satomi in *J. Phytogeogr. Taxon.*, 36(2): 64 (1988)—Japan.

mollis var. oblongifolia M.B. Deng & G. Yao in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 125 (1986)—China.

**HANABUSAYA** (Campanulac.).

asiatica f. alba T.B. Lee in *J. Korean Pl. Taxon.*, 6(1-2): 17 (1975)—Korea.

**HANSTEINIA** (Acanthac.).

blepharorhachis (Lindau) L.H. Durkee in *Fieldiana, Bot.*, n.s., 18: 43 (1986): *Kolobochilus blepharorhachis*.

sessilifolia (Oerst.) L.H. Durkee in *Fieldiana, Bot.*, n.s., 18: 44 (1986): *Glockeria sessilifolia*.

**HAPALOECHILUS** (Orchidac.).

acanthoglossus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): *Bulbophyllum acanthoglossum*.

algidus (Ridl.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (51) 185 (1985 publ. 1986): *Bulbophyllum algidum*.

alkmaarensis (J.J. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): *Bulbophyllum alkmaarensis*.

alticola (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): *Bulbophyllum alticola*.

**HAPALOCHILUS** :-

- arfakensis (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum arfakense.
- aristilabris (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum aristilabre.
- aureoapex (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum aureoapex.
- brevis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum breve.
- callipes (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum callipes.
- caudatipetalum (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum caudatipetalum.
- chrysophilus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum chrysophilum.
- chrysoglossus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum chrysoglossum.
- collinus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (52) 186 (1985 publ. 1986): Bulbophyllum collinum.
- coloratus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum coloratum.
- conconvivasalis (van Royen) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum conconvivasalis.
- concolor (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum concolor.
- cruciatum (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum cruciatum.
- cucullatus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum cucullatum.
- cuniculiformis (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum cuniculiforme.
- decurvulus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum decurvulus.
- dolichoglottis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum dolichoglottis.
- fasciatum (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum fasciatum.
- fibrinus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (53) 187 (1985 publ. 1986): Bulbophyllum fibrinum.
- formosus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum formosum.
- frustrans (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum frustrans.
- geniculifer (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum geniculiferum.
- gobiensis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum gobiense.
- holochilus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum holochilum.
- humilis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum humile.
- inclinator (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum inclinatorum.
- jadunae (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum jadunae.
- jensenii (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum jensenii.

**HAPALOCHILUS** :-

- kelelensis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum kelelense.
- kermesinus (Ridl.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (54) 188 (1985 publ. 1986): Bulbophyllum kermesinum.
- leontoglossus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum leontoglossum.
- leucorhodus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum leucorhodus.
- longilabris (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum longilabre.
- melinoglossus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum melinoglossum.
- microrhombos (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum microrhombos.
- monosema (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum monosema.
- mutatus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum mutatum.
- mystrochilus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum mystrochilus.
- novae-hiberniae (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum novae-hiberniae.
- olorinus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (55) 189 (1985 publ. 1986): Bulbophyllum olorinus.
- oxyanthus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum oxyanthum.
- pemae (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum pemae.
- quadracaudatus (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum quadracaudatum.
- rectilabris (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum rectilabre.
- reflexus L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986), nom. nov.: Bulbophyllum rhynchoglossum Schltr. 1912 not 1910.
- scaphosepalum (Ridl.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum scaphosepalum.
- schizopetalum (L.O. Wms.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum schizopetalum.
- speciosus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (56) 190 (1985 publ. 1986): Bulbophyllum speciosum.
- stabilis (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum stabile.
- stellula (Ridl.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum stellula.
- stenophyton L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986), nom. nov.: Bulbophyllum stenophyllum Schltr.
- stictanthus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum stictanthum.
- striatus L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986), nom. nov.: Bulbophyllum pulchrum Schltr.
- torricellensis (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum torricellense.

**HAPALOCHILUS** :-

- trachyglossus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum trachyglossum.
- trigonocarpus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum trigonocarpum.
- warianus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum warianum.
- xanthoacron (J.F. Sm.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (57) 191 (1985 publ. 1986): Bulbophyllum xanthoacron.
- xanthophaeus (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (58) 192 (1985 publ. 1986): Bulbophyllum xanthophaeum.

**HAPLOCHOREMA** (Zingiberac.).

- magnum R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 214 (1987)—Borneo (Sarawak).
- pauciflorum R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 213 (1987)—Borneo (Sarawak).
- var. bullatum R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 213 (1987)—Borneo (Sarawak).

**HAPLOPAPPUS** (Compos.).

- armerioides
- var. gramineus S.L. Welsh & F.J. Smith in *Great Basin Nat.*, 43(2): 371 (1983)—U.S.A. (Utah).
- compactus (Hall) L.C. Anderson in *Great Basin Nat.*, 43(2): 358 (1983): H. bloomeri subsp. compactus.
- crispus L.C. Anderson in *Great Basin Nat.*, 43(2): 359 (1983)—U.S.A. (Utah).
- racemosus
- var. prionophyllus (Greene) S.L. Welsh in *Great Basin Nat.*, 43(2): 294 (1983): Pyrrocoma prionophylla.
- var. sessiliflorus (Greene) S.L. Welsh in *Great Basin Nat.*, 43(2): 294 (1983): Pyrrocoma sessiliflora.
- thiniicola J. Rzedowski & E. Ezcurra in *Cienc. Interamer.*, 26(1-2): 16 (1986)—Mexico.
- watsonii
- var. rydbergii (Blake) S.L. Welsh in *Great Basin Nat.*, 43(2): 295 (1983): H. rydbergii.
- zionis L.C. Anderson in *Great Basin Nat.*, 43(2): 360 (1983)—U.S.A. (Utah).

**HAPLOPHYLLUM** (Rutac.).

- sect. Indehiscentes (Engl.) C.C. Townsend in *Hooker's Icon. Pl.*, 40(1-3): 12 (1986): Ruta sect. Indehiscentes.
- linifolium
- subsp. africanum C.C. Townsend in *Hooker's Icon. Pl.*, 40(1-3): t. 3961, p. 3 (1986), nom. nov.: H. linifolium var. sexovulatum Litardiere & Maire.
- sanguineum M. Thulin in *Kew Bull.*, 44(1): 143 (1989)—Somali Republic.

**HAPTANTHUS** A. Goldberg & C. Nelson S. in *Syst. Bot.*, 14(1): 16 (1989). UNKNOWN.

- hazlettii A. Goldberg & C. Nelson S. in *Syst. Bot.*, 14(1): 16 (1989)—Honduras.

**HARFORDIA** (Polygonac.).

- macroptera
- var. fruticosa (E. Greene) J.L. Reveal in *Phytologia*, 66(3): 225 (1989): Pterostegia fruticosa.
- var. galioides (E. Greene) J.L. Reveal in *Phytologia*, 66(3): 224 (1989): Pterostegia galioides.

**HARRISIA** (Cactac.).

- hahniana (Back.) M. Kimmach & P.C. Hutchison in *Cact. Succ. J. (U.S.A.)*, 59(2): 59 (1987): Mediocactus hahnianus.
- tetracantha (Labouret) D. Hunt in *Bradleya*, 5: 92 (1987): Cereus tetracanthus.

- HARTIGHSEA** A. Jussieu in *Mirb. & Cass. apud Guill. in Bull. Sci. Nat. Geol.*, 23: 237 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELIACEAE**.

**HARVEYA** (Scrophulariac.).

- coccinea F.N. Hepper in *Kew Bull.*, 44(1): 163 (1989), illegit. later homonym of (Harv.) Schlechter (1899)—Tanzania.

**HARVEYA** :-

- coccinea (Harv.) R. Schlechter in Engl. Bot. Jahrb., 27: 184 (1899): Aulaya coccinea.  
 kenyensis F.N. Hepper in Kew Bull., 44(1): 163 (1989)—Kenya.  
 leucopharynx O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 379 (1986)—South Africa (Natal, Cape Province).  
 pulchra O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 381 (1986)—South Africa (Natal, Cape Province), Lesotho.  
 silvatica O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 382 (1986)—South Africa (Natal, Transvaal), Swaziland.  
 tanzanica F.N. Hepper in Kew Bull., 45(2): 374 (1990), nom. nov.: H. coccinea Hepper.

**HASTINGSIA** (Hyacinthac.).

- atropurpurea R.W. Becking in Madroño, 33(3): 175 (1986)—U.S.A. (Oregon).  
 serpentinicola R.W. Becking in Madroño, 36(3): 208 (1989)—U.S.A. (Oregon).

**HATIORA** (Cactac.).

- subgen. Rhipsalidopsis (Britton & Rose) W. Barthlott in Bradleya, 5: 100 (1987): gen. Rhipsalidopsis.  
 gaertneri (Regel) W. Barthlott in Bradleya, 5: 100 (1987): Epiphyllum russellianum var. gaertneri.  
 × graeseri (Werdermann) W. Barthlott in Bradleya, 5: 100 (1987): Rhipsalidopsis graeseri.  
 herminiae (Campos-Porto & Castellanos) Backeb. ex W. Barthlott in Bradleya, 5: 100 (1987): Hariota herminiae.  
 rosea (Lagerheim) W. Barthlott in Bradleya, 5: 100 (1987): Rhipsalis rosea.

**HAWORTHIA** (Aloec.).

- ser. Attenuatae (Pilbeam) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. subsect. Attenuatae.  
 ser. Fusiformes (Bark.) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. sect. Fusiformes.  
 ser. Limpidae (A. Berger) Rowley, Haworthia Drawings J.T. Bates: 13 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. sect. Limpidae.  
 ser. Obtusatae (A. Berger) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. sect. Obtusatae.  
 ser. Proliferae (Pilbeam) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. subsect. Proliferae.  
 ser. Scabrae (A. Berger) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. sect. Scabrae.  
 ser. Turgidae (Pilbeam) Rowley, Haworthia Drawings J.T. Bates: 14 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. subsect. Turgidae.  
 fasciata  
 var. browniana (v. Pöhl.) C.L. Scott, Genus Haworthia: 21 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. browniana.  
 multilineata (G.G. Smith) C.L. Scott, Genus Haworthia: 134 (1985); cf. Repert. Pl. Succ. (I.O.S.), 36: 5 (1985 publ. 1986): H. retusa var. multilineata.

**HEBE** (Scrophulariac.).

- sect. Glaucæ M.J. Heads in Bot. Soc. Otago Newsl., 5: 11 (1987).  
 ser. Occlusæ M.J. Heads in Bot. Soc. Otago Newsl., 5: 11 (1987).  
 sect. Subdistichæ M.J. Heads in Bot. Soc. Otago Newsl., 5: 11 (1987).  
 crawii M.J. Heads in Bot. Soc. Otago Newsl., 5: 11 (1987)—New Zealand.

**HECHTIA** (Bromeliac.).

- carlsoniae K. Burt-Utley & J.F. Utley in Syst. Bot., 13(2): 276 (1988)—Mexico.  
 fragilis K. Burt-Utley & J.F. Utley in Brittonia, 39(1): 40 (1987)—Mexico.  
 lyman-smithii K. Burt-Utley & J.F. Utley in Brittonia, 39(1): 37 (1987)—Mexico.  
 pumila K. Burt-Utley & J.F. Utley in Syst. Bot., 13(2): 279 (1988)—Mexico.

**HECKELDORA** (Meliac.).

- mangenotiana L. Aké Assi & J.G. Lorange in Bull. Soc. Bot. France, Lett. Bot., 136(2): 167 (1989)—Ivory Coast.

**HEDBERGIA** U. Molau in Nordic J. Bot., 8(2): 194 (1988). **SCROPHULARIACEAE**.

- abyssinica (Benth.) U. Molau in Nordic J. Bot., 8(2): 195 (1988): Bartsia abyssinica.

**HEDEOMA** (Labiata.).

- hyssopifolium  
 var. chihuahuensis J. Henrickson in Sida, 11(4): 413 (1986)—Mexico.

**HEDERA** (Araliac.).

- helix  
 subsp. hibernica (Kirchner) D. McClintock, Suppl. Wild Flow. Guernsey: 23 (1987): H. helix var. hibernica.

**HEDINIA** (Crucif.).

- ser. Hedinopsis (Botsch. & Petrovsky) B.A. Yurtsev, A.A. Korobkov & S.A. Balandin in Bot. Zhurn., 72(8): 1035 (1987): gen. Hedinopsis.  
 czukotica (Botsch. & Petrovsky) B.A. Yurtsev, A.A. Korobkov & S.A. Balandin in Bot. Zhurn., 72(8): 1035 (1987): Hedinopsis czukotica.

**HEDINIOPSIS** V.P. Bochantsev & V.V. Petrovskii in Bot. Zhurn., 71(11): 1548 (1986). **CRUCIFERAE**.

- czukotica V.P. Bochantsev & V.V. Petrovskii in Bot. Zhurn., 71(11): 1549 (1986)—U.S.S.R. (Soviet Far East).

**HEDYCHUM** (Zingiberac.).

- convexum S.Q. Tong in Acta Bot. Yunnanica, 8(1): 41 (1986)—China.  
 glabrum S.Q. Tong in Acta Phytotax. Sin., 27(4): 288 (1989)—China.  
 pauciflorum S.Q. Tong in Acta Bot. Yunnanica, 8(1): 43 (1986)—China.  
 pynursulaeanum S.K. Jain & S.C. Srivastava in J. Ind. Bot. Soc., 65(4): 535 (1986)—India.  
 yungjiangense S.Q. Tong in Acta Bot. Yunnanica, 8(1): 40 (1986)—China.

**HEDYOSMUM** (Chloranthac.).

- sect. Artocarpoides (Solms-Laubach) C.A. Todzia in Fl. Neotrop., 48: 104 (1988): H. subgen. Artocarpoides.  
 sect. Orientale C.A. Todzia in Fl. Neotrop., 48: 47 (1988).  
 anisodorum C.A. Todzia in Syst. Bot., 13(1): 24 (1988)—Ecuador, Peru.  
 domingense  
 var. cubense (Urban) C.A. Todzia & C.E. Wood in J. Arnold Arbor., 69(1): 59 (1988): H. cubense.  
 goudotianum  
 var. mombachanum C.A. Todzia in Ann. Missouri Bot. Gard., 74(2): 458 (1987)—Nicaragua.  
 luteynii C.A. Todzia in Syst. Bot., 13(1): 28 (1988)—Ecuador, Colombia.  
 neblinae C.A. Todzia in Fl. Neotrop., 48: 61 (1988)—Venezuela, Brazil.  
 peruvianum C.A. Todzia in Fl. Neotrop., 48: 121 (1988)—Peru.  
 pungens C.A. Todzia in Fl. Neotrop., 48: 93 (1988)—Colombia.  
 purpurascens C.A. Todzia in Fl. Neotrop., 48: 123 (1988)—Ecuador.  
 spectabile C.A. Todzia in Syst. Bot., 13(1): 21 (1988)—Peru, Ecuador.  
 steinii C.A. Todzia in Syst. Bot., 13(1): 26 (1988)—Colombia.  
 strigosum C.A. Todzia in Fl. Neotrop., 48: 86 (1988)—Colombia, Venezuela.

**HEDYOTIS** (Rubiace.).

- sect. Gouldia (A. Gray) W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap., 29: 111 (1989): gen. Gouldia.  
 sect. Phyllozygia W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap., 29: 113 (1989).  
 argillacea D.A. Halford in Austrobaileya, 3(2): 203 (1990)—Australia (N. Terr., W. Australia, Queensland).

**HEDYOTIS** :-

- brachypoda (DC.) V.V. Sivarajan & S.D. Biju in Taxon, 39(4): 672 (1990): Oldenlandia brachypoda.  
 butterwickiae (Terrell) G.L. Nesom in Syst. Bot., 13(3): 434 (1988): Houstonia butterwickiae.  
 clausa (Blatt.) H.B. Naithani, Flow. Pl. India, Nepal & Bhutan: 200 (1990): Oldenlandia clausa.  
 corymbosa  
 var. linearis (DC.) D.B. Deb & R. Dutta in J. Bombay Nat. Hist. Soc., 83(3): 692 (1986 publ. 1987): Oldenlandia linearis.  
 var. nana (Brem.) H.B. Naithani, Flow. Pl. India, Nepal & Bhutan: 523 (1990): Oldenlandia linearis var. nana.  
 delicata D.A. Halford in Austrobaileya, 3(2): 211 (1990)—Australia (W. Australia).  
 devicolamensis D.B. Deb & R. Dutta in J. Bombay Nat. Hist. Soc., 82(3): 619 (1985 publ. 1986)—India.  
 fosbergii W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap., 29: 111 (1989), nom. nov.: Gouldia st.-johnii Fosb.  
 galeottii (Martens) E.E. Terrell & D.H. Lorence in Phytologia, 66(1): 1 (1989): Declieuxia galeottii.  
 hillebrandii (Fosb.) W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap., 29: 112 (1989): Gouldia hillebrandii.  
 kingii (Terrell) G.L. Nesom in Syst. Bot., 13(3): 434 (1988): Houstonia kingii.  
 laceyi D.A. Halford in Austrobaileya, 3(2): 208 (1990)—Australia (Queensland, W. Australia, N. Terr.).  
 largiflorens D.A. Halford in Austrobaileya, 3(2): 204 (1990)—Australia (N. Terr., W. Australia).  
 leptocaulis D.A. Halford in Austrobaileya, 3(2): 206 (1990)—Australia (N. Terr.).  
 lindleyana  
 f. glabricalycina (Honda) S.S. Ying in Quart. J. Chinese Forest., 20(4): 127 (1987): Oldenlandia hirsuta var. glabricalycina.  
 nagporensis (Brace ex Haines) K.K. Sharma & S. Sharma in J. Econ. Taxon. Bot., Addit. Ser. 5: 56 (1989), isonym; see Rolla Rao & Hemadri in Indian Forester, 99(6): 377 (June 1973); et in Proc. Indian Sci. Congr., 60(3): 338 (1973): Oldenlandia nagporensis.  
 nigricans  
 var. floridana (Standley) R.P. Wunderlin in Sida, 11(4): 400 (1986): Houstonia floridana.  
 sharpii (Terrell) G.L. Nesom in Syst. Bot., 13(3): 434 (1988): Houstonia sharpii.  
 spellenbergii G.L. Nesom & L.A. Vorobik in Syst. Bot., 13(3): 432 (1988)—Mexico.  
 taiwanensis S.F. Huang & J. Murata in Taiwanica, 32: 214 (1987), as 'taiwanense'—Taiwan.  
 teretifolia (Terrell) G.L. Nesom in Syst. Bot., 13(3): 434 (1988): Houstonia teretifolia.  
 terminalis (Hook. & Arnott) W.L. Wagner & D.R. Herbst in Bishop Mus. Occas. Pap., 29: 112 (1989): Petesia terminalis.  
 thysanota D.A. Halford in Austrobaileya, 3(2): 209 (1990)—Australia (N. Terr.).  
 tryblum D.R. Herbst & W.L. Wagner in Bishop Mus. Occas. Pap., 29: 113 (1989)—Hawaiian Is.

**HEDYPNOIS** (Compos.).

- minutissima A. Bunge, Beitr. Fl. Russl.: 196 (1852)—U.S.S.R. (Middle Asia).†

**HEDYSARUM** (Legumin.).

- alaschanicum Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae, 17(2): 347 (1986)—China.  
 alpinum  
 subsp. boreoeuropaeum B.A. Yurtsev in Arktich. Fl. SSSR, 9(2): 182 (1986), as 'boreo-europaeum'—U.S.S.R. (European Russia).  
 americanum  
 subsp. philoscium (A. Nels.) B.A. Yurtsev in Arktich. Fl. SSSR, 9(2): 153 (1986): H. philoscium.  
 argyreum W. Greuter & Burdet in Willdenowia, 16(1): 109 (1986), nom. nov.: H. argentatum Maire.  
 austrokurilense (N.S. Pavlova) N.S. Pavlova in Sosud. Rast. Sovet. Dal'nego Vostoka, 4: 289 (1989): H. sachalinense subsp. austrokurilense.  
 caudatum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 675 (1784)—Japan.†

**HEDYSARUM** :-

- chalthorum *N. Ulzikhutag in L.G. Byazrov et al., Fl. Khangaya*: 126 (1989), nom. nov.: *H. collinum* *Sancz.*
- confertum (*N.S. Pavlova*) *N.S. Pavlova in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 288 (1989): *H. sachalinense* subsp. confertum.
- dentatolatum *K.T. Fu in Fl. Tsinlingensis*, 1(3): 448, 73 (1981), as 'dentato-alatum'—China.
- dshambulicum *N.V. Pavlov in Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 33 (1949)—U.S.S.R. (Middle Asia).
- falconeri
- var. cachemirianum (*Benth. ex Baker*) *A. Pramanik & K. Thothathri in J. Jap. Bot.*, 64(3): 76 (1989): *H. cachemirianum*.
- hedysaroides
- subsp. austrosibiricum (*B. Fedtsch.*) *B.A. Yurtsev in Arktich. Fl. SSSR*, 9(2): 157 (1986): *H. austrosibiricum*.
- subsp. tschuktschorum *B.A. Yurtsev in Arktich. Fl. SSSR*, 9(2): 182, 159 (1986)—U.S.S.R. (Soviet Far East, Siberia), Alaska.
- incanum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 677 (1784)—Japan.†
- laeve
- f. albiflorum (*H.C. Fu & Z.Y. Chu*) *H.C. Fu & Z.Y. Chu in Fl. Intramongolica*, Ser. 2, 3: 339 (1989): *H. fruticosum* f. albiflorum.
- latibracteatum *N.S. Pavlova in Bot. Zhurn.*, 74(6): 908 (1989)—U.S.S.R. (Soviet Far East).
- lehmannianum *A. Bunge, Beitr. Fl. Russl.*: 102 (1852)—U.S.S.R. (Middle Asia).†
- microphyllum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- mongolicum
- var. laeve (*Maxim.*) *S.Y. He in Fl. Hebeiensis*, 1: 753 (1986), without basionym ref.: *H. laeve*.
- pallidiflorum *N.V. Pavlov in Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 34 (1949)—U.S.S.R. (Middle Asia).
- pilosum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- polybotrys
- var. alaschanicum (*B. Fedtsch.*) *H.C. Fu & Z.Y. Chu in Fl. Intramongolica*, Ser. 2, 3: 341 (1989): *H. semenovii* var. alaschanicum.
- var. robustum *K.T. Fu in Fl. Tsinlingensis*, 1(3): 447, 72 (1981)—China.
- przewalskii *G.P. Yakovlev in Rast. Tsentral. Azii*, 8a: 61 (1988)—China.
- racemosum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- sericeum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- silicii *R. Lakušić in Glasn. Zem. Muz. Bosne Herceg. Prir. Nauke*, 21: 65 (1982)—Yugoslavia.
- speciosum (*Hand.-Mazz.*) *G.P. Yakovlev in Rast. Tsentral. Azii*, 8a: 63 (1988): *H. tuberosum* var. speciosum.
- striatum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- taipeicum (*Hand.-Mazz.*) *K.T. Fu in Fl. Tsinlingensis*, 1(3): 72 (1981): *H. esculentum* var. taipeicum.
- taoriparium *B.H. Choi & H. Ohashi in Notes Roy. Bot. Gard. Edinburgh*, 45(1): 107 (1988)—China.
- tomentosum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†
- vicioides
- var. chinense *B.H. Choi & H. Ohashi in J. Jap. Bot.*, 63(2): 62 (1988)—China.
- subsp. japonicum (*Fedtsch.*) *B.H. Choi & H. Ohashi in J. Jap. Bot.*, 63(2): 60 (1988): *H. alpinum* var. japonicum.
- var. japonicum (*Fedtsch.*) *B.H. Choi & H. Ohashi in J. Jap. Bot.*, 63(2): 60 (1988): *H. alpinum* var. japonicum.
- f. japonicum (*Fedtsch.*) *B.H. Choi & H. Ohashi in J. Jap. Bot.*, 63(2): 60 (1988): *H. alpinum* var. japonicum.
- virgatum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 675 (1784)—Japan.†

**HEINEKENIA** (Legumin.).

- eremitica (*Santos*) *G. Kunkel, Kanarischen Ins. und ihre Pflanzenwelt*: 153 (1987): *Lotus eremiticus*.

**HEINSENIA** (Rubiace.).

- diervilleoides
- subsp. mufindiensis (*Verdc.*) *B. Verdcourt in Fl. Trop. E. Afr., Rubiac. (Part 2)*: 732 (1988): *Aulacocalyx diervilleoides* subsp. mufindiensis.

**HELADENA** A.H.L. de Jussieu, Malpigh. Syn.: 46 (May 1840), preprint from *Ann. Sci. Nat., Bot.*, ser. 2, 13 (August 1840). **MALPIGHIACEAE**. †**HELDREICHIA** (Crucif.).

- atalayi *Kit Tan in Pl. Syst. Evol.*, 154(1-2): 113 (1986)—Turkey.

**HELENIUM** (Compos.).

- sect. Actinea (*Juss.*) *M.W. Bierner in Sida*, 12(2): 259 (1987): gen. Actinea.
- donianum
- var. linearifolium (*O. Kuntze*) *M.W. Bierner in Sida*, 12(2): 268 (1987): Actinea heterophylla var. linearifolia.
- radiatum (*Less.*) *M.W. Bierner in Sida*, 12(2): 261 (1987): Cephalophora radiata.
- varium *Schrad., Ind. Sem. Hort. Acad. Gott.*, 1830: 3 (1830); cf. *D.J. Mabberley in Taxon*, 32(1): 85 (1983)—Locality not stated.

**HELIANTHELLA** (Compos.).

- durangensis *B.L. Turner in Phytologia*, 65(6): 493 (1989)—Mexico.

**HELIANTHEMUM** (Cistac.).

- almeriense
- var. scopulorum (*Rouy*) *O. de Bolos & J. Vigo, Fl. Països Catalans*, 2: 201 (1990): *H. lineare* var. scopulorum.
- canum (*L. Hornem.*, *Hort. Hafn.*: 496 (1815); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984): Basionym not stated.
- ×carmen-joanae *J. Mansanet & I. Mateu in Mediterranea*, 8: 85 (1985)—Spain. (*H. lavandulifolium* × *pilosum* var. racemosum).
- ×conchिता *O. Socorro & P. Aroza in Stud. Bot. (Salamanca)*, 6: 125 (1987)—Spain. (*H. apenninum* × *piliferum*).
- juliae *W. Wildpret de la Torre in Viera*, 16(1-2): 361 (1986)—Canary Is.
- leptophyllum
- subsp. alypoides (*Losa España & Rivas Goday*) *C. Raynaud in Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 22: 18 (1986-87 publ. 1988): *H. alypoides*.
- pilosum
- var. pseudoasperum *J. Molero & A.M. Rovira in Collect. Bot.*, 17(1): 103 (1987 publ. 1988)—Spain.
- polygonoides *M. Peinado, J.M. Martínez-Parras, F. Alcaraz & I. Espuelas in Candollea*, 42(1): 361 (1987)—Spain.
- pourretii *M.E. Timbal-Lagrange in Bull. Soc. Sci. Phys. Natur. Toulouse*, 2: 65 (1875)—France.
- raynaudii *A. Ortega Olivencia, A.T. Romero García & C. Morales Torres in Candollea*, 44(1): 233 (1989)—Spain.
- rosmarinifolium *Hort. Erlang. ex Mart., Hort. Acad. Erlangen*: 114 (1814); cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.
- urrielense (*Lainz*) *H.S. Nava Fernández & M.A. Fernández-Casado in An. Jard. Bot. Madrid*, 43(1): 28 (1986): *H. nummularium* subsp. urrielense.

**HELIANTHUS** (Compos.).

- agrestis
- f. almae *E.R. Wolde in Phytologia*, 63(4): 310 (1987)—U.S.A. (Florida).
- f. oswaldii *E.R. Wolde in Phytologia*, 63(4): 310 (1987)—U.S.A. (Florida).
- grandiflorus *Wender., Ind. Sem. Hort. Acad. Marb.*, 1835; *Linnaea II, Lit.*: 92 (1837); cf. *D.J. Mabberley in Taxon*, 32(1): 85 (1983)—Locality not stated.
- parviflorus *Hornem., Hort. Hafn.*: 842 (1815); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- pauciflorus
- subsp. subrhomboides (*Rydb.*) *O. Spring & E.E. Schilling in Biochem. Syst. Ecol.*, 18(1): 22 (1990): *H. subrhomboides*.

**HELIANTHUS** :-

- subsp. subrhomboides (*Rydb.*) *J.T. Kartesz & K.N. Gandhi in Phytologia*, 68(6): 423 (1990): *H. subrhomboides*.

**petiolaris**

- var. fallax (*Heiser*) *B.L. Turner in Phytologia*, 69(1): 15 (1990): *H. petiolaris* subsp. fallax.

**praecox**

- var. runyonii (*Heiser*) *B.L. Turner in Phytologia*, 69(1): 15 (1990): *H. debilis* subsp. runyonii.

**HELICHRYSUM** (Compos.).

- albertense *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 177 (1983)—South Africa (Cape Province).
- ambiguum
- subsp. vinaceum *L. Haegi in Fl. S. Australia*, 3: 1535 (1986)—Australia (S. Australia).
- asperum
- var. albidulum (*DC.*) *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 127 (1983): *H. ericifolium* var. albidulum.
- var. appressifolium (*Moeser*) *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 128 (1983): *H. ericifolium* var. appressifolium.
- var. comosum (*Sch. Bip.*) *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 128 (1983): *H. comosum*.
- var. glabrum *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 128 (1983)—South Africa (Cape Province).
- aureofolium *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 158 (1983)—South Africa (Cape Province).
- bampsianum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 352 (1986)—Zaire, Tanzania.
- deserticola *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 168 (1983)—Namibia.
- devredii *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 350 (1986)—Zaire.
- dunense *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 143 (1983)—South Africa (Cape Province).
- duvigneaudii *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 364 (1986)—Zaire.
- eremaum *L. Haegi in Fl. S. Australia*, 3: 1535 (1986)—Australia (S. Australia, W. Australia, N. Terr.).
- erubescens *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 174 (1983)—Namibia.
- evansii *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 198 (1986), nom. nov.: *H. alticolum* var. montanum *Bolus*.
- fourcadei *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 131 (1983)—South Africa (Cape Province).
- jeffreyanum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 356 (1986)—Zaire.
- jubilatum *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 179 (1983)—South Africa (Cape Province).
- kalandanum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 353 (1986)—Zaire.
- kitianum *B. Yildiz in Notes Roy. Bot. Gard. Edinburgh*, 45(3): 445 (1988 publ. 1989)—Turkey.
- lejoylanum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 362 (1986)—Zaire.
- malaisseanum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 357 (1986)—Zaire.
- mauritanum *A.J. Scott in Kew Bull.*, 42(4): 854 (1987)—Mauritius.
- mixtum
- var. grandiceps *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 253 (1983)—South Africa (Transvaal), Swaziland.
- mutabile *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 302 (1983)—South Africa (Transvaal), Swaziland.
- outeniquense *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 192 (1983)—South Africa (Cape Province).
- polhillianum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 360 (1986)—Zaire.
- polioides *B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 233 (1986)—Malawi.
- proteoides (*Lam.*) *J.G. Baker, Fl. Mauritius & Seychelles*: 167 (1877), as 'proteiforme': *Gnaphalium proteoides*.
- pumilio
- subsp. fleckii (*S. Moore*) *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 166 (1983): *H. fleckii*.
- pumilum
- var. spathulatum *A.M. Buchanan in Pap. Proc. Roy. Soc. Tasmania*, 121: 54 (1987)—Tasmania.
- refractum *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 133 (1983)—South Africa (Cape Province).



**HELICHRYSUM :-**

- robbrechtianum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 349 (1986)—Zaire.
- rosum
- var. arcuatum *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 107 (1983)—South Africa (Cape Province, Orange Free State).
- saxicola *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 190 (1983)—South Africa (Cape Province).
- sivasicum *Kit Tan & B. Yildiz in Notes Roy. Bot. Gard. Edinburgh*, 45(3): 447 (1988 publ. 1989)—Turkey.
- solitarium *O.M. Hilliard in Fl. S. Afr.*, 33(7:2): 149 (1983)—South Africa (Cape Province).
- spectabile *G. Don f. ex J.W. Loudon, Ladies' Mag. Gard.*, 1: 253, t. 9 (Sept. 1841); cf. *D.J. Mabberley in Taxon*, 27(5-6): 491 (1978)—Australia.
- symoensianum *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 361 (1986)—Zaire.
- theresae *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 358 (1986)—Zaire.
- zairensis *S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 366 (1986)—Zaire.

**HELICIA (Proteac.).**

- cochinchinensis
- var. rengetiensis (*Masamune*) *S.S. Ying, Colour. Illustr. Pl. Taiwan, Pt. 3; Colour. Illustr. Lignous Pl. Taiwan*, 1: 403 (1987); *H. rengetiensis*.
- recurva *D.B. Foreman in Muelleria*, 6(3-4): 193 (1986)—Australia (Queensland).
- yingtzulinia *S.S. Ying in Quart. J. Chinese Forest.*, 20(4): 129 (1987)—Taiwan.

**HELICONIA (Heliconiac.).**

- subgen. *Heliconiopsis* (*Miq.*) *W.J. Kress in Allertonia*, 6(1): 15 (1990); gen. *Heliconiopsis*.
- atropurpurea *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 15 (1979)—Costa Rica, Panama.
- barryana *W.J. Kress in Selbyana*, 9(1): 165 (1986)—Panama.
- bella *W.J. Kress in Selbyana*, 9(1): 158 (1986)—Panama.
- calatheaphyllus *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 17 (1979)—Costa Rica.
- colgantea *R.R. Smith ex G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 18 (1979)—Costa Rica.
- cristata *H. de Souza Barreiros in Bol. Mus. Bot. Kuhlmann*, 8(1): 6 (1985)—Panama.
- cucullata *W.J. Kress & L. Andersson in Selbyana*, 11: 49 (1989)—Panama.
- deflexa *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 19 (1979)—Costa Rica, Panama.
- faunorum *W.J. Kress & L. Andersson in Selbyana*, 11: 52 (1989)—Panama.
- golfodulcensis *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 20 (1979)—Costa Rica.
- gracilis *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 21 (1979)—Costa Rica.
- ignescens *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 22 (1979)—Costa Rica.
- indica
- var. austrocaledonica (*Vieill.*) *W.J. Kress in Allertonia*, 6(1): 28 (1990); *H. austrocaledonica*.
- var. dennisiana *W.J. Kress in Allertonia*, 6(1): 24 (1990)—British Solomon Is., Santa Cruz Is. South Pacific.
- var. micholitzii (*Ridley*) *W.J. Kress in Allertonia*, 6(1): 26 (1990); *H. micholitzii*.
- var. rubricarpa *W.J. Kress in Allertonia*, 6(1): 21 (1990)—New Britain, New Guinea (Papua New Guinea).
- irrasa
- var. albicosta *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 27 (1979)—Costa Rica.
- var. glabra *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 25 (1979)—Costa Rica.
- subsp. undulata *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 25 (1979)—Costa Rica, Nicaragua.
- var. undulata *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 25 (1979)—Costa Rica, Nicaragua.
- kautzkiana *L. Emygdio de Mello Filho & E. Santos in Bradea*, 4(44): 350 (1987)—Brazil.
- lanata (*P. Green*) *W.J. Kress in Allertonia*, 6(1): 40 (1990); *H. indica* var. *lanata*.

**HELICONIA :-**

- lankesteri
- var. rubra *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 28 (1979)—Costa Rica.
- laufau *W.J. Kress in Allertonia*, 6(1): 33 (1990)—Samoa.
- lennartiana *W.J. Kress in Selbyana*, 9(1): 161 (1986)—Panama.
- lindsayana *W.J. Kress in Selbyana*, 9(1): 158 (1986)—Panama.
- lophocarpa *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 31 (1979)—Costa Rica, Panama.
- lutea *W.J. Kress in Selbyana*, 9(1): 163 (1986)—Panama.
- mathiasiae *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 33 (1979), as 'mathiasii'—Costa Rica, Nicaragua.
- monteverdensis *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 34 (1979)—Costa Rica.
- var. vulcanicola (*Stiles*) *W.J. Kress in Selbyana*, 11: 53 (1989); *H. vulcanicola*.
- mooreana *R.R. Smith in R. McVaugh, Fl. Novo-Galiciana*, 15: 83 (1989)—Mexico.
- papua *W.J. Kress in Allertonia*, 6(1): 30 (1990)—New Guinea (Papua New Guinea, W. Irian).
- pogonantha
- var. holerythra *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 39 (1979)—Costa Rica, Panama.
- var. pubescens *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 37 (1979)—Costa Rica.
- ramonensis *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 39 (1979)—Costa Rica.
- sarapiquensis *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 41 (1979)—Costa Rica, Panama.
- secunda
- var. viridiflora *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 42 (1979)—Costa Rica.
- solomonensis *W.J. Kress in Allertonia*, 6(1): 36 (1990)—British Solomon Is., Bougainville Is.
- sucree *H. de Souza Barreiros in Bol. Mus. Bot. Kuhlmann*, 8(1): 6 (1985)—Panama.
- talamancana *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 42 (1979)—Costa Rica.
- thomasiana *W.J. Kress in Selbyana*, 9(1): 156 (1986)—Panama.
- trichocarpa *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 44 (1979)—Costa Rica.
- var. caducispatha *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 44 (1979)—Costa Rica.
- umbrophila *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 45 (1979)—Costa Rica.
- uxpanapensis *C. Gutiérrez Báez in Biotica*, 12(2): 149 (1987)—Mexico.
- wilsonii *G.S. Daniels & F.G. Stiles in Brenesia*, 15, Supl.: 46 (1979)—Costa Rica.

**HELICTERES (Sterculiac.).**

- corylifolia *F. Buchanan-Hamilton ex L.W. Dillwyn, Rev. Hortus Malab.*: 28 (1839), nom. illegit.: fide *D.J. Mabberley in Taxon*, 26(5-6): 531 (1977)—India.
- vegae *C.L. Cristóbal in Bonplandia*, 6(1): 74 (1987)—Mexico.

**HELICTOTRICHON (Gramin.).**

- subgen. *Tricholemma* *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 46 (1989).*
- adsurgens (*Schur ex Simonkai*) *H.J. Conert in G. Hegi, Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 4): 249 (1987); *Avena adsurgens*.
- subsp. ausserdorferi (*Ascherson & Graebner*) *H.J. Conert in G. Hegi, Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 4): 250 (1987); *Avena alpina* C. ausserdorferi.
- bromoides
- subsp. pauneroi (*Romero Zarco*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 110 (1989); Avenula bromoides* subsp. *pauneroi*.
- cinnatum (*Tenore*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 126 (1989); Bromus cinnatus*.

**HELICTOTRICHON :-**

- crassifolium (*Font Quer*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 123 (1989); Avena crassifolia*.
- gervaisii (*Holub*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 116 (1989); Avenula gervaisii*.
- subsp. arundanum (*Romero Zarco*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 121 (1989); Avenula gervaisii* subsp. *arundana*.
- hideoi
- subsp. abietetorum (*Ohwi*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 509 (1987); *Avena abietetorum*.
- marginatum (*Lowe*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 136 (1989); Avena marginata*.
- mongolicum
- subsp. sajanense *M.N. Lomonosova in Fl. Sibir. (Poaceae)*, 2: 71 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia).
- occidentale (*Gervais*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 154 (1989); Avenochloa albinervis* subsp. *occidentalis*.
- praestum
- subsp. pseudoviolaceum (*Kerner ex Dalla Torre*) *H.J. Conert in G. Hegi, Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 4): 255 (1987); *Avena pseudoviolacea*.
- quadridentulum (*Doell*) *S.A. Renvoize in Kew Bull.*, 42(4): 921 (1987); *Avena quadridentula*.
- ×talaverae (*Romero Zarco*) *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 135 (1989); Avenula* × *talaverae*.
- tenuifolium *M. Röser, Karyol., Syst. u. Chorol. Untersuch. Gatt. Helictotrichon W. Mittelmeer. (Diss. Bot. 145): 112 (1989), nom. nov.; Avenula murcica* *Holub*.
- HELIETTA (Rutac.).**
- trifoliata (*Baillon*) *D.J. Mabberley, Plant-book*: 707 (1989 reprint); *Picrella trifoliata*.
- ×**HELIOCHIA (Cactac.).**
- hybrida (*Géel*) *P.V. Heath in Taxon*, 38(1): 126 (1989); *Cactus hybridus*.
- HELIOPHILA (Crucif.).**
- cornellsbergia *B.J. Pienaar & A. Nicholas in Bothalia*, 18(2): 183 (1988)—South Africa (Cape Province).
- HELIOPSIS (Compos.).**
- anomala (*M.E. Jones*) *B.L. Turner in Phytologia*, 64(5): 338 (1988); *Encelia anomala*.
- helianthoides
- var. gracilis (*Nutt.*) *K.N. Gandhi & R.D. Thomas in Sida, Bot. Misc.*, 4: 106 (1989); *H. gracilis*.
- var. occidentalis (*Fisher*) *B.L. Turner in Phytologia*, 64(5): 338 (1988); *H. helianthoides* subsp. *occidentalis*.
- novogaliciana *B.L. Turner in Phytologia*, 63(1): 1 (1987)—Mexico.
- sinaloensis *B.L. Turner in Phytologia*, 63(1): 2 (1987)—Mexico.
- HELIOTROPIUM (Boraginac.).**
- alii *Y.J. Nasir in Candollea*, 42(2): 553 (1987)—Pakistan.
- bacciferum
- subsp. erosum (*Lehmann*) *H. Riedl in Linz. Biol. Beitr.*, 17(2): 299 (1985); *H. erosum*.
- balansae *H. Riedl in Linz. Biol. Beitr.*, 17(2): 295 (1985)—Morocco.
- hararensis *E.S. Martins in Garcia de Orta, Ser. Bot.*, 9(1-2): 74 (1987 publ. 1988)—Zimbabwe, Zambia, Malawi.
- magistri *L.M. Raenko in Bot. Zhurn.*, 73(11): 1607 (1988)—U.S.S.R. (Middle Asia).
- micranthum *A. Bunge, Beitr. Fl. Russl.*: 223 (1852)—U.S.S.R. (Middle Asia).†
- sogdianum *A. Bunge, Beitr. Fl. Russl.*: 227 (1852)—U.S.S.R. (Middle Asia).†
- transoxanum *A. Bunge, Beitr. Fl. Russl.*: 226 (1852)—U.S.S.R. (Middle Asia).†

- HELIPTERUM** (Compos.).  
stoveae D.A. Cooke in *Fl. S. Australia*, 3: 1546 (1986)—Australia (S. Australia).
- HELLADIA** M. Král in *Preslia*, 59(4): 309 (1987).  
CRASSULACEAE.  
cretica (C. Presl) M. Král in *Preslia*, 59(4): 309 (1987): Sedum creticum.  
tristriata (Boiss.) M. Král in *Preslia*, 59(4): 309 (1987): Sedum tristriatum.  
tymphaea (Quézel & Contandr.) M. Král in *Preslia*, 59(4): 309 (1987): Sedum tymphaeum.
- HELLEBORUS** (Ranunculac.).  
bocconeii  
subsp. intermedius (Guss.) W. Greuter & Burdet in *Willdenowia*, 19(1): 44 (1989): H. intermedius.  
lividus  
subsp. corsicus (Briquet) P.F. Yeo in *Taxon*, 35(1): 157 (1986): H. trifolius subsp. corsicus.  
nothosubsp. sternii (Turrill) P.F. Yeo in *Taxon*, 35(1): 157 (1986): H. × sternii.  
multifidus  
subsp. bocconeii (Tenore) B. Mathew, *Hellebores*: 126 (1989): H. bocconeii.  
subsp. hercegovinus (Martinis) B. Mathew, *Hellebores*: 125 (1989): H. hercegovinus.  
orientalis  
subsp. abchasicus (A. Braun) B. Mathew, *Hellebores*: 90 (1989): H. abchasicus.  
subsp. guttatus (A. Braun & Sauer) B. Mathew, *Hellebores*: 90 (1989): H. guttatus.
- HELLENOCARUM** (Umbellif.).  
multiflorum  
subsp. strictum (Griseb.) Kit Tan in *Pl. Syst. Evol.*, 154(1–2): 122 (1986): Bunium strictum.  
pisidium Kit Tan in *Pl. Syst. Evol.*, 154(1–2): 121 (1986)—Turkey.
- HELMINTHOTHECA** (Compos.).  
comosa  
subsp. lusitanica (Welw. ex Schlecht.) A.R. Pinto da Silva & A.C.S. Escudeiro in *Bol. Soc. Brot.*, 60: 156 (1987): Helminthia lusitanica.
- HELMIOPSIELLA** (Sterculiac.).  
ctenostegia (Hochr.) L. Barnett in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 71 (1988): Dombeya ctenostegia.  
leandrii (Hochr.) L. Barnett in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 75 (1988): Ruizia leandrii.  
poissonii (Arènes) Capuron ex L. Barnett in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(1): 72 (1988): Dombeya poissonii.
- HELMIOPSIS** (Sterculiac.).  
sphaerocarpa L.C. Barnett in *Ann. Missouri Bot. Gard.*, 74(2): 450 (1987)—Madagascar.
- HELONIOPSIS** (Melanthiac.).  
taiwaniana S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4: *Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 222 (1980)—Taiwan.
- ×**HELPIPIA** hort. in *Orchid Rev.*, 95(1121): centre page pull-out p. 9 (1987). ORCHIDACEAE. (Helcia × Trichopilia).
- HEMEROCALLIS** (Hemerocallidac.).  
citrina  
var. vespertina (Hara) W. Erhardt, *Hemerocallis*: 32 (1988), without basionym ref.: H. vespertina.  
cordata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 339 (1784)—Japan.†  
fulva  
var. aurantiaca (Baker) M. Hotta in *Acta Phytotax. Geobot.*, 37(1–3): 21 (1986): H. aurantiaca.  
japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 339 (1784)—Japan.†  
lilioasphodelus  
var. yezoensis (Hara) M. Hotta in *Acta Phytotax. Geobot.*, 37(1–3): 19 (1986): H. yezoensis.  
major (Baker) M. Hotta in *Acta Phytotax. Geobot.*, 37(1–3): 22 (1986): H. aurantiaca var. major.  
middendorffii  
var. exaltata (Stout) M. Hotta in *Acta Phytotax. Geobot.*, 37(1–3): 19 (1986): H. exaltata.
- HEMIBOEIA** (Gesneriac.).  
henryi  
var. guandongensis Z.Y. Li in *Acta Phytotax. Sin.*, 25(3): 225 (1987)—China.  
subcapitata  
var. sordidopuberula Z.Y. Li in *Acta Phytotax. Sin.*, 25(3): 224 (1987)—China.
- HEMIGENIA** (Labiata).  
conferta B.J. Conn in *Muelleria*, 6(3–4): 259 (1986)—Australia (W. Australia).
- HEMILOPHIA** (Crucif.).  
pulchella  
var. rockii (O.E. Schulz) W.T. Wang in *Acta Bot. Yunnanica*, 9(1): 1 (1987): H. rockii.
- HEMISTEPTA** (Compos.).  
lyrata  
f. alba M.H. Lee in *Korean J. Pl. Taxon.*, 13(2): 110 (1983)—Korea.
- HEMIZONIA** (Compos.).  
greeneana  
var. peninsularis (Moran) B.L. Turner in *Phytologia*, 69(1): 15 (1990): H. greeneana subsp. peninsularis.
- HENRIETTEA** (Melastomatac.).  
lateriflora (M. Vahl) R.A. Howard in *Phytologia*, 65(4): 286 (1988): Melastoma lateriflora.  
mucronata (Gleason) S.S. Renner in *Mem. New York Bot. Gard.*, 50: 52 (1989): Loreya mucronata.  
squamosa (Cogn.) W.S. Judd in *Brittonia*, 38(3): 240 (1986): Calycogonium squamosum.
- HENRIETTELLA** (Melastomatac.).  
ininiensis J.J. Wurdack in *Phytologia*, 64(4): 301 (1988)—French Guiana.
- HENSMANIA** (Anthericac.).  
chapmanii G.J. Keighery in *Fl. Australia*, 45: 486, 251 (1987)—Australia (W. Australia).  
stoniella G.J. Keighery in *Fl. Australia*, 45: 486, 251 (1987)—Australia (W. Australia).
- HERACLEUM** (Umbellif.).  
dissectifolium K.T. Fu in *Fl. Tsinlingensis*, 1(3): 464, 431 (1981)—China.  
dissectum  
subsp. moellendorffii (Hance) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 92 (1990): H. moellendorffii.  
var. voroschilovii (Gorovoi) M.G. Pimenov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 269 (1987): H. voroschilovii.  
egrissicum R.I. Gagnidze in *Soobshch. Akad. Nauk Gruz. SSR*, 101(1): 117 (1981)—U.S.S.R. (Caucasus).  
marashicum Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 445 (1988 publ. 1989)—Turkey.  
moellendorffii  
var. akasimontanum (Koidz.) Okuyama ex T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989): H. akasimontanum.  
var. paucivittatum R.H. Shan & T.S. Wang in *Acta Phytotax. Sin.*, 24(4): 316 (1986)—China.  
var. sagenifolium K.T. Fu in *Fl. Tsinlingensis*, 1(3): 464, 431 (1981)—China.  
rechingeri I. Mandenova in *Fl. Iran.*, 162: 496 (1987)—Iran.
- HERBERTIA** (Iridac.).  
quareimana P. Ravenna in *Nordic J. Bot.*, 9(1): 55 (1989)—Brazil, Uruguay.
- HERITIERA** (Sterculiac.).  
kanikensis N.C. Majumdar & L.K. Banerjee in *Bull. Bot. Surv. India*, 27(1–4): 150 (1985 publ. 1987)—India.  
magnifica A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 477 (1988)—Borneo (Sarawak).
- HERMANNIA** (Sterculiac.).  
cordata (E. Phillips) B. de Winter in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 401 (1986): Mahernia cordata.
- HERMINIUM** (Orchidac.).  
alpinum (Jacq.) Sweet, *Hort. Brit.*: 382 (1827); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.  
kumaunensis S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 159 (1986)—India.
- HERNIARIA** (Illecebrac.).  
sect. Austroamericanae M.N. Chaudhri in *Pakistan Syst.*, 3(1): 2 (1987).  
amoena T. Çelebioğlu & C. Favarger in *Candollea*, 44(1): 332 (1989)—Turkey.  
austroamericana M.N. Chaudhri & R. Rutishauser in *Pakistan Syst.*, 3(1): 2 (1987)—Argentina, Bolivia.  
pauciflora (J. Rohlena) A.W. Hill in *Index Kewensis*, Suppl. 6: 99 (1916–1920 publ. 1926): H. hirsuta var. pauciflora.
- HERSCHELIA** T.E. Bowdich, Exc. Madeira: 35 (1825). SOLANACEAE.†
- HERSCHELIANTHE** (Orchidac.).  
barbata (L.f.) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Orchis barbata.  
forficaria (H. Bol.) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Disa forficaria.  
lugens  
var. nigrescens (Linder) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Herschelia lugens var. nigrescens.  
newdigatae (L. Bol.) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Disa newdigatae.  
schlechteriana (H. Bol.) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Disa schlechteriana.  
spatulata  
subsp. tripartita (Lindl.) N.C. Anthony in *Bothalia*, 15(3–4): 554 (1985): Disa tripartita.
- HESPERANTHA** (Iridac.).  
alborosea O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 421 (1986)—South Africa (Natal).  
baurii  
subsp. formosa O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 430 (1986)—Lesotho, South Africa (Orange Free State, Natal).  
curvula O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 416 (1986)—South Africa (Natal).  
glareosa O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 424 (1986)—South Africa (Natal, Transvaal, Orange Free State), Lesotho.  
hutchingsiae O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 414 (1986)—South Africa (Cape Province).  
ingeliensis O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 424 (1986)—South Africa (Natal, Cape Province).  
pseudopilosa P. Goldblatt in *S. Afr. J. Bot.*, 53(6): 461 (1987), nom. nov.: H. pilosa subsp. latifolia Goldbl.  
pubinervia O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 419 (1986)—South Africa (Natal).  
scopulosa O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 417 (1986)—South Africa (Natal).  
teretifolia P. Goldblatt in *S. Afr. J. Bot.*, 53(6): 460 (1987)—South Africa (Cape Province).  
truncatula P. Goldblatt in *S. Afr. J. Bot.*, 53(6): 461 (1987)—South Africa (Cape Province).  
umbricola P. Goldblatt in *S. Afr. J. Bot.*, 53(6): 459 (1987)—Swaziland.
- HESPERIS** (Crucif.).  
hedgii P.H. Davis & Kit Tan in *Fl. Turkey & E. Aegean Is.*, 10: 233, 52 (1988)—Turkey.  
kitiana P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 233, 53 (1988)—Turkey.  
torulosa Hort. ex Lag., *Elenchus*: 9 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.
- ×**HESPEROTSUGA** C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 389 (1988 publ. 1989). PINACEAE. (Hesperopeuce × Tsuga).  
jeffreii (Henry) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 389 (1988 publ. 1989): Tsuga pattoniana var. jeffreii.

**HESSEA** (Amaryllidac.).

- incana *D. Snijman in S. Afr. J. Bot.*, 55(3): 356 (1989)—South Africa (Cape Province).  
 monticola *D. Snijman in S. Afr. J. Bot.*, 55(3): 349 (1989)—South Africa (Cape Province).  
 pusilla *D. Snijman in S. Afr. J. Bot.*, 55(3): 353 (1989)—South Africa (Cape Province).  
 undosa *D. Snijman in S. Afr. J. Bot.*, 55(3): 351 (1989)—South Africa (Cape Province).

**HETERANTHERA** (Pontederiac.).

- subgen. *Zosterella* (*J.K. Small*) *T.J. Rosatti in J. Arnold Arbor.*, 68(1): 59 (1987): gen. *Zosterella*.  
 multiflora (*Grisebach*) *C.N. Horn in Phytologia*, 59(4): 290 (1986): *H. reniformis* var. *multiflora*.

**HETEROCHAETA** (Compos.).

- leucophylla *A. Bunge, Beitr. Fl. Russl.*: 149 (1852)—U.S.S.R. (Middle Asia).†  
 pseudorigeron *A. Bunge, Beitr. Fl. Russl.*: 150 (1852)—U.S.S.R. (Middle Asia).†

**HETEROCHITON** (Illecebrac.).

- fontanesii  
 subsp. *almeriana* (*Brummitt & Heywood*) *G. Kunkel, Florida Deserto Ameriense*: 154 (1988): *Herniaria fontanesii* subsp. *almeriana*.

**HETEROCONDYLUS** (Compos.).

- didymus (*Klatt*) *R.M. King & H. Robinson in Phytologia*, 65(6): 487 (1989): *Eupatorium didymum*.

**HETEROPAPPUS** (Compos.).

- altaicus  
 var. *distortus* (*Turcz. ex Avé-Lall.*) *I.A. Gubanov in L.G. Byazrov et al., Fl. Khangaya*: 153 (1989): *Aster distortus*.  
 hispidus  
 var. *oldhamii* (*Forbe ex Hemsl.*) *S.S. Ying, Colour. Illustr. Pl. Taiwan, Pt. 4; Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 173 (1980): *Aster oldhamii*.

**HETEROPLEXIS** (Compos.).

- microcephala *Y.L. Chen in Guihaia*, 5(4): 339 (1985)—China.

**HETEROPSIS** (Arac.).

- flexuosa  
 var. *maguirei* *G.S. Bunting in Phytologia*, 64(6): 466 (1988)—Venezuela.  
 spruceana  
 var. *robusta* *G.S. Bunting in Phytologia*, 60(5): 303 (1986)—Venezuela.  
 steyermarkii *G.S. Bunting in Phytologia*, 60(5): 305 (1986)—Venezuela.  
 tenuispadix *G.S. Bunting in Phytologia*, 60(5): 306 (1986)—Venezuela.

**HETEROPTERIS** (Malpighiac.).

- alata (*W. Anderson*) *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 75 (1987): *H. becheyana* var. *alata*.  
 aliciae *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 75 (1987)—Brazil.  
 fluminensis (*Grisebach*) *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 77 (1987): *Hiraea fluminensis*.  
 huberi *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 78 (1987)—Venezuela.  
 magnifica *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 17: 45 (1990), as 'Heteropterys'—Peru.  
 prunifolia (*H.B.K.*) *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 80 (1987): *Hiraea* ? *prunifolia*.  
 standleyana *W.R. Anderson in Contrib. Univ. Mich. Herb.*, 16: 80 (1987), nom. nov.: *Banisteria rosea Standley*.

**HETEROSPATHE** (Palmae).

- brevicaulis *E.S. Fernando in Kew Bull.*, 45(2): 220 (1990)—Philippine Is.  
 dransfieldii *E.S. Fernando in Kew Bull.*, 45(2): 223 (1990)—Philippine Is.  
 intermedia (*Becc.*) *E.S. Fernando in Kew Bull.*, 45(2): 226 (1990): *Ptychoraphis intermedia*.  
 scitula *E.S. Fernando in Kew Bull.*, 45(2): 228 (1990)—Philippine Is.  
 trispatha *E.S. Fernando in Kew Bull.*, 45(2): 231 (1990)—Philippine Is.

**HETEROSTEMMA** (Asclepiadac.).

- sect. *Oianthus* *K. Swarupanandan & N. Sasidharan in Bot. J. Linn. Soc.*, 101(2): 253 (1989): gen. *Oianthus*.  
 beddomei (*Hook. f.*) *K. Swarupanandan & J.K. Mangaly in Bot. J. Linn. Soc.*, 101(2): 254 (1989): *Oianthus beddomei*.  
 decanense (*Talb.*) *K. Swarupanandan & J.K. Mangaly in Bot. J. Linn. Soc.*, 101(2): 255 (1989): *Oianthus decanensis*.  
 disciflorum (*Hook. f.*) *K. Swarupanandan & J.K. Mangaly in Bot. J. Linn. Soc.*, 101(2): 256 (1989): *Oianthus disciflorus*.  
 vasudevanii *K. Swarupanandan & J.K. Mangaly in Bot. J. Linn. Soc.*, 101(2): 257 (1989), as 'vasudevani'—India.

**HETEROSTIGMA** (Pandanac.).

- heudelotianum *C. Gaudichaud-Beaupré, Bot. Voy. Bonite, Atlas*, t. 25, f. 15–31 (1841)—Locality not stated.†

**HETEROTHALAMUS** (Compos.).

- densus *N.E. Brown in Trans. Linn. Soc., Ser. 2*, 6: 39 (1901), listed in *I.K. Supp.* 3 as 'derisus'—Guyana.†

**HETEROTHECA** (Compos.).

- barbata (*Rydb.*) *J.C. Semple in Brittonia*, 39(3): 379 (1987): *Chrysopsis barbata*.  
 brandegei (*Robinson & Greenman*) *J.C. Semple in Syst. Bot.*, 13(4): 557 (1988): *Chrysopsis brandegei*.  
 chihuahuana (*B. Turner & Sundberg*) *B.L. Turner in Phytologia*, 63(2): 128 (1987): *Osbertia chihuahuana*.  
 fulcrata  
 var. *arizonica* *J.C. Semple in Brittonia*, 39(3): 380 (1987)—U.S.A. (Arizona).  
 var. *senilis* (*Wooton & Standley*) *J.C. Semple in Brittonia*, 39(3): 380 (1987): *Chrysopsis senilis*.  
 graminifolia  
 var. *tenuifolia* (*Torr.*) *K.N. Gandhi & R.D. Thomas in Sida, Bot. Misc.*, 4: 108 (1989): *Inula graminifolia* var. *tenuifolia*.  
 horrida  
 subsp. *cinerascens* (*S.F. Blake*) *J.C. Semple in Brittonia*, 39(3): 381 (1987): *Chrysopsis viscida* subsp. *cinerascens*.  
 oregona  
 var. *compacta* (*Keck*) *J.C. Semple in Brittonia*, 39(3): 382 (1987): *Chrysopsis oregona* var. *compacta*.  
 var. *rudis* (*Greene*) *J.C. Semple in Brittonia*, 39(3): 382 (1987): *Chrysopsis rudis*.  
 var. *scaberrima* (*A. Gray*) *J.C. Semple in Brittonia*, 39(3): 383 (1987)—*Chrysopsis oregona* var. *scaberrima*.  
 pumila (*Greene*) *J.C. Semple in Brittonia*, 39(3): 383 (1987): *Chrysopsis pumila*.  
 subaxillaris  
 var. *latifolia* (*Buckl.*) *K.N. Gandhi & R.D. Thomas in Sida, Bot. Misc.*, 4: 110 (1989): *H. latifolia*.  
 thiniicola (*Rzed. & Ezcurra*) *B.L. Turner in Phytologia*, 63(2): 128 (1987): *Haplopappus thiniicola*.  
 vandevenderorum *B.L. Turner in Phytologia*, 63(2): 127 (1987)—Mexico.  
 villosa  
 var. *pedunculata* (*Greene*) *V. Harms ex J.C. Semple in Brittonia*, 39(3): 383 (1987): *Chrysopsis pedunculata*.  
 zionensis *J.C. Semple in Brittonia*, 39(3): 384 (1987)—U.S.A. (Utah).

**HETEROTIS** (Melastomatac.).

- amplexicaulis (*Jac.-Fél.*) *L. Aké Assi, Flore Côte d'Ivoire (Thesis)*, 2: 991 (1984); see also *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 459 (1987 publ. 1988): *Dissotis amplexicaulis*.  
 arenaria *H. Jacques-Félix in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(3): 255 (1987 publ. 1988)—Gabon.  
 jacquesii (*A. Chev.*) *L. Aké Assi, Flore Côte d'Ivoire (Thesis)*, 2: 991 (1984); see also *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 991 (1987 publ. 1988): *Dissotis jacquesii*.

**HETEROTOMA** (Campanulac.).

- lobelioides  
 var. *glabra* *T.J. Ayers in Syst. Bot.*, 15(2): 311 (1990)—Mexico.

**HETEROTROPA** (Aristolochiac.).

- ikegamii *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 63(2): 36 (1988)—Japan.  
 kinoshitae *F. Maekawa ex K. Kinoshita in J. Phytogeogr. Taxon.*, 37(2): 69 (1989)—Japan.  
 kumageana (*Masamune*) *F. Maekawa ex T. Yahara in J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 81 (1987): *Asarum kumageanum*.  
 kurosawae (*Sugimoto*) *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 64(2): 59 (1989): *Asarum kurosawae*.  
 minamitaniana (*Hatusima*) *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 64(2): 59 (1989): *Asarum minamitanianum*.  
 okinawensis (*Hatusima*) *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 64(2): 60 (1989): *Asarum okinawense*.  
 senkakuinsularis (*Hatusima*) *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 64(2): 60 (1989): *Asarum senkakuinsulare*.  
 takaai  
 var. *austrokiensis* *K. Kinoshita in J. Phytogeogr. Taxon.*, 38(1): 7 (1990)—Japan.  
 yaeyamensis (*Hatusima*) *F. Maekawa ex Y. Maekawa in J. Jap. Bot.*, 64(2): 60 (1989): *Asarum yaeyamense*.

**HETEROZEUXINE** *T. Hashimoto in Ann. Tsukuba*

- Bot. Gard.*, 5: 21 (1986). **ORCHIDACEAE**.  
 nervosa (*Wall. ex Lindl.*) *T. Hashimoto in Ann. Tsukuba Bot. Gard.*, 5: 21 (1986): *Monochilus nervosus*.  
 odorata (*Fukuyama*) *T. Hashimoto in Ann. Tsukuba Bot. Gard.*, 5: 21 (1986): *Zeuxine odorata*.

**HEWITTIA** (Convolvulac.).

- malabarica (*L.*) *C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, Interpret. Van Rheede's Hort. Malab.*: 88 (1988): *Convolvulus malabaricus*.

**HEXACHLAMYS** (Myrtac.).

- sect. *Macrohexachlamys* *J.R. Mattos in Loefgrenia*, 94: 12 (1989).  
 excelsa (*Camb.*) *J.R. Mattos in Loefgrenia*, 94: 12 (1989): *Myrtus excelsa*.

**HEXAGLOTTIS** (Iridac.).

- brevituba *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 562 (1987)—South Africa (Cape Province).  
 lewisiae  
 subsp. *secunda* *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 558 (1987)—South Africa (Cape Province).  
 namaquana *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 554 (1987)—South Africa (Cape Province).  
 riparia *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 559 (1987)—South Africa (Cape Province).  
 virgata  
 subsp. *karooica* *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 568 (1987)—South Africa (Cape Province).

**HEXAPTERELLA** (Burmanniace.).

- steyermarkii *P.J.M. Maas & H. Maas in Ann. Missouri Bot. Gard.*, 76(4): 956 (1989)—Venezuela.

**HEXASTYLIS** (Aristolochiac.).

- rhombiformis *L.L. Gaddy in Brittonia*, 38(1): 82 (1986)—U.S.A. (N. Carolina).  
 shuttleworthii  
 var. *harperi* *L.L. Gaddy in Sida*, 12(1): 54 (1987)—U.S.A. (Georgia, Alabama).

**HEXATHECA** (Gesneriac.).

- dolichopoda *B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 46(1): 54 (1989)—Borneo (Sabah).  
 fulva  
 subsp. *beamanii* *B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 46(1): 56 (1989)—Borneo (Sabah).

**HEYNEA** (Meliac.).

- trifoliata  
 var. *ternata* (*Roxb.*) *G. Panigrahi & S.C. Mishra in Indian J. Forest.*, 11(2): 137 (1988): *Walsura ternata*.

**HIBBERTIA** (Dilleniaceae).

- acuminata B.J. Conn in *Muelleria*, 7(2): 290 (1990)—Australia (New South Wales).  
 bouletii J.M. Veillon in *Fl. N. Caléd. & Dépend.*, 16: 55 (1990)—New Caledonia.  
 circumdans B.J. Conn in *Muelleria*, 7(2): 293 (1990)—Australia (New South Wales).  
 covenyana B.J. Conn in *Muelleria*, 7(2): 292 (1990)—Australia (New South Wales).  
 favieri J.M. Veillon in *Fl. N. Caléd. & Dépend.*, 16: 81 (1990)—New Caledonia.  
 hooglandii J.R. Wheeler in *Nuytsia*, 7(1): 69 (1989)—Australia (W. Australia).  
 kaputarensis B.J. Conn in *Muelleria*, 7(2): 291 (1990)—Australia (New South Wales).  
 margaretiae J.M. Veillon in *Fl. N. Caléd. & Dépend.*, 16: 50 (1990), as 'margaretae'—New Caledonia.  
 marginata B.J. Conn in *Muelleria*, 7(2): 294 (1990)—Australia (New South Wales).  
 moratii J.M. Veillon in *Fl. N. Caléd. & Dépend.*, 16: 36 (1990)—New Caledonia.  
 villosa B.J. Conn in *Muelleria*, 7(2): 289 (1990)—Australia (New South Wales).

**HIBISCUS** (Malvaceae).

- sect. *Clypeati* O.J. Blanchard in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 470 (1988).  
 sect. *Muenchhusia* (Heister ex Fabricius) O.J. Blanchard in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 471 (1988); gen. *Muenchhusia*.  
 sect. *Striati* O.J. Blanchard in P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 471 (1988).  
 amazonicus P.A. Fryxell in *Acta Amazonica*, 14(1-2 Suppl.): 101 (1984 publ. 1986)—Brazil.  
 arnottianus  
   subsp. *immaculatus* (M. Roe) D.M. Bates in *Bishop Mus. Occas. Pap.*, 29: 104 (1989); H. *immaculatus*.  
   subsp. *punaluensis* (Skotts.) D.M. Bates in *Bishop Mus. Occas. Pap.*, 29: 104 (1989); H. *arnottianus* var. *punaluensis*.  
 brackenridgei  
   subsp. *mokuleianus* (M. Roe) D.M. Bates in *Bishop Mus. Occas. Pap.*, 29: 105 (1989); H. *brackenridgei* var. *mokuleiana*.  
 chrysanthus Bull. *Retail List*, 199: 13 (1884); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.  
 hoshiarpurensis T.K. Paul & M.P. Nayar in *Bull. Bot. Surv. India*, 25(1-4): 188 (1983 publ. 1985)—India.  
 kokio  
   subsp. *saintjohnianus* (M. Roe) D.M. Bates in *Bishop Mus. Occas. Pap.*, 29: 105 (1989); H. *saintjohnianus*.  
 leiospermus K.T. Fu & C.C. Fu in *Fl. Tsinlingensis*, 1(3): 454, 290 (1981)—China.  
 pacificus Nakai ex Y. Jotani & H. Ohba in *J. Jap. Bot.*, 61(4): 99 (1986)—Volcano Is.  
 peralbus P.A. Fryxell in *Syst. Bot.*, 12(2): 277 (1987)—Australia (W. Australia).  
 spinulosus Huber, *Cat. Gén. 1871 & 1872*: 4 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 450 (1985)—Locality not stated.  
 subdariffa  
   subsp. *cannabinus* (L.) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 127 (1989); H. *cannabinus*.  
 tenorii P.A. Fryxell in *Acta Bot. Mex.*, 8: 35 (1989)—Mexico.  
 waimeae  
   subsp. *hannerae* (Degener & I. Degener) D.M. Bates in *Bishop Mus. Occas. Pap.*, 29: 106 (1989); H. *waimeae* var. *hannerae*.  
 zygomorphus P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 549 (1987)—Mexico.

**HICKSBEACHIA** (Proteaceae).

- pilosa P.H. Weston in *Telopea*, 3(2): 236 (1988)—Australia (Queensland).

**HICORIA** (Juglandaceae).

- tetraptera (Liebm.) J. Rzedowski et al. in C. Conzatti, *Fl. Taxon. Mexic.*, ed. 3, 1: 673 (1988), with incorrect basionym ref.: *Carya tetraptera*.

**HIDALGOA** (Compos.).

- uspanapa B.L. Turner in *Phytologia*, 65(5): 379 (1988)—Mexico.

**HIERACIUM** (Compos.).

- subsect. *Aestiva* Juxip ex R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 328 (1987); et in *Fl. Evropeiskoi Chasti SSSR*, 8: 234 (1989).  
 subsect. *Alpitranssilvanica* R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 296 (1989).  
 subsect. *Prenanthoalpina* R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 297 (1989).  
 sect. *Transsilvanica* (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 244 (1989); H. subsect. *Transsilvanica*.  
 adakense R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 361 (1987)—U.S.S.R. (European Russia).  
 antecursorum R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 371 (1987)—U.S.S.R. (Siberia).  
 aureiceps Norrl. ex R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 242 (1989)—U.S.S.R. (European Russia).  
 borzawae (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 296 (1989); H. *liptoviense* subsp. *borzawae*.  
 bupleurifolium  
   subsp. *chaetothyrsoides* (Zahn) V.Ya. Nikolaev in *Bot. Zhurn.*, 75(4): 557 (1990); H. *velenovskiyi* subsp. *chaetothyrsoides*.  
 cinerellisquamum (Litv. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 263 (1989); H. *murorum* subsp. *cinerellisquamum*.  
 ciuriwkae (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 242 (1989); H. *laevigatum* subsp. *ciuriwkae*.  
 czechscaense R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 379 (1987)—U.S.S.R. (European Russia).  
 czywczynae (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 297 (1989); H. *krasanii* subsp. *czywczynae*.  
 deanum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 246 (1989); H. *trebevicianum* subsp. *deanum*.  
 decipientiforme (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 286 (1989); H. *nigrescens* subsp. *decipientiforme*.  
 elimense R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 379 (1989)—U.S.S.R. (European Russia).  
 ensifera (Norrl.) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 346 (1989); *Hieracium ensiferum*.  
 euirriguum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 248 (1989); H. *lachenalii* subsp. *euirriguum*.  
 farinifloccosum (Degen & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 296 (1989); H. *rauzense* subsp. *farinifloccosum*.  
 foliolatum R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 380 (1987)—U.S.S.R. (European Russia).  
 fuliginosiforme R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 379 (1989)—U.S.S.R. (European Russia).  
 glaucinum  
   subsp. *basalticum* (Schultz-Bip.) J. Duvigneaud in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 459 (1987); H. *praecox* var. *basalticum*.  
 gorczakovskii R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 378 (1989)—U.S.S.R. (Siberia, European Russia).  
 homochroum Norrl. ex R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 270 (1989)—U.S.S.R. (European Russia).  
 hosjense R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 378 (1989)—U.S.S.R. (European Russia).  
 ihrowyszczense (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 294 (1989); H. *atratum* subsp. *ihrowyszczense*.  
 irriguiceps (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 248 (1989); H. *vulgatum* subsp. *irriguiceps*.  
 jaworowae (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 244 (1989); H. *praecurrens* var. *jaworowae*.  
 juratzkanum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 248 (1989); H. *vulgatum* subsp. *juratzkanum*.

**HIERACIUM** :-

- krivanense (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 298 (1989); H. *lampromegas* subsp. *krivanense*.  
 kukulense (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 297 (1989); H. *krasanii* subsp. *kukulense*.  
 laniferum  
   subsp. *texedense* (Pau) G. Blanca, M. Cueto & M.C. Quesada in *Saussurea*, 19: 26 (1988 publ. 1989); H. *texedense*.  
 lapponicifolium R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 378 (1989)—U.S.S.R. (European Russia).  
 largum  
   var. *pallonianum* (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 225 (1989); H. *pallonianum*.  
 lonchopodium (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 279 (1989); H. *bifidum* subsp. *lonchopodium*.  
 lugiorum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 274 (1989); H. *caesium* subsp. *lugiorum*.  
 macdonaldii J.H. Beaman & B. Turner in J.H. Beaman, *Revis. Hieracium* (Asterac.) Mexico & C. Amer. (Syst. Bot. Monog., 29): 51 (1990)—Mexico.  
 melachaeta (Tausch) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 339 (1989); *Hieracium melachaetum*.  
 microspilon (Jord. ex Sudre) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 261 (1989); H. *murorum* b. *microspilon*.  
 mikulinkae (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 244 (1989); H. *praecurrens* subsp. *mikulinkae*.  
 murmanense R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 386 (1987), nom. nov.; H. *atratum* subsp. *murmanicola* Zahn.  
 ochanskiense (Zahn) Juxip ex R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 249 (1989); H. *vulgatum* subsp. *ochanskiense*.  
 orthobrachion (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 298 (1989); H. *lampromegas* subsp. *orthobrachion*.  
 pikujense (Woloszcz. & Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 297 (1989); H. *krasanii* subsp. *pikujense*.  
 pleiophyllogenes (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 266 (1989); H. *silvaticum* subsp. *pleiophyllogenes*.  
 pleiophyllopsis (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 244 (1989); H. *praecurrens* subsp. *pleiophyllopsis*.  
 prilakenense (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 253 (1989); H. *levicaule* subsp. *prilakenense*.  
 pseudohypochnoodes R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 378 (1989)—Finland, U.S.S.R. (European Russia).  
 pseudolepistoides R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 379 (1989)—U.S.S.R. (European Russia).  
 pseudonigritiforme (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 297 (1989); H. *krasanii* subsp. *pseudonigritiforme*.  
 saliencianum de Retz ex C. Aedo, J.M. Argüelles, J.M. González del Valle & M. Lainz in *Collect. Bot.*, 18: 110 (1990)—Spain.  
 sarmaticum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 299 (1989); H. *dentatum* subsp. *sarmaticum*.  
 schenkii (Griseb.) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 300 (1989); H. *bupleuroides* var. *schenkii*.  
 scouleri  
   var. *albertinum* (Farr) G.W. Douglas & G.A. Allen in *Canad. J. Bot.*, 64(11): 2726 (1986); H. *albertinum*.  
 subpleiophyllum (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 246 (1989); H. *trebevicianum* subsp. *subpleiophyllum*.  
 subvirenticeps R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 276 (1989), nom. nov.; H. *porrigens* subsp. *virenticeps* Dahlst.  
 subviriduliceps (Zahn) R.N. Shlyakov in *Fl. Evropeiskoi Chasti SSSR*, 8: 248 (1989); H. *vulgatum* subsp. *subviriduliceps*.



**HIERACIUM** :-

- subvulgatiforme *R.N. Shlyakov in Fl. Evropeiskoi Chasti SSSR*, 8: 251 (1989), nom. nov.: *H. vulgatum* subsp. *vulgatiforme* *Dahlst.*  
*tanfilievii Zahn ex R.N. Shlyakov in Arktich. Fl. SSSR*, 10: 355 (1987)—U.S.S.R. (European Russia).  
*tazense R.N. Shlyakov in Arktich. Fl. SSSR*, 10: 365 (1987)—U.S.S.R. (Siberia).  
*teliumbellatum R.N. Shlyakov in Fl. Evropeiskoi Chasti SSSR*, 8: 231 (1989)—U.S.S.R. (European Russia).  
*tolmatchevii R.N. Shlyakov in Arktich. Fl. SSSR*, 10: 377 (1987)—U.S.S.R. (European Russia).  
*truncipilum (Thaisz & Zahn) R.N. Shlyakov in Fl. Evropeiskoi Chasti SSSR*, 8: 248 (1989): *H. vulgatum* subsp. *truncipilum*.  
*westii P.D. Sell in Watsonia*, 16(3): 283 (1987)—Great Britain.  
*wysokae (Woloszcz. & Zahn) R.N. Shlyakov in Fl. Evropeiskoi Chasti SSSR*, 8: 298 (1989): *H. lampromegas* subsp. *wysokae*.

**HIEROCHLOE** (Gramin.).

- glabra*  
*subsp. bungeana (Trin.) G.A. Peshkova in Fl. Sibir. (Poaceae)*, 2: 118 (1990): *H. bungeana*.  
*subsp. chakassica G.A. Peshkova in Fl. Sibir. (Poaceae)*, 2: 118 (1990)—U.S.S.R. (Siberia), Mongolia.  
*hirta*  
*subsp. praetermissa G. Wiemarck in Symb. Bot. Upsal.*, 27(2): 176 (1986 publ. 1987)—Sweden, Germany, Switzerland, U.S.S.R.  
*pluriflora*  
*subsp. intermedia (Hackel) T. Koyama, Grasses of Japan & Neighbour. Regions*: 510 (1987): *H. alpina* var. *intermedia*.  
*wrangellica B.A. Yurtsev & Probat. in Bot. Zhurn.*, 74(1): 111 (1989)—U.S.S.R. (Soviet Far East).

**HILARIA** (Gramin.).

- annua J.R. & C.G. Reeder in Madroño*, 35(1): 7 (1988)—Mexico.

**HILDEBRANDTIA** (Convolvulac.).

- austinii G.W. Staples in J. Arnold Arbor.*, 71(2): 255 (1990), nom. nov.: *Dactylostigma linearifolia D. Austin*.

**HILDEGARDIA** (Sterculiac.).

- gillettii L.J. Dorr & L.C. Barnett in Kew Bull.*, 45(3): 577 (1990)—Somali Republic.

**HILLIA** (Rubiace.).

- subgen. Ravnia (Oersted) C.M. Taylor in Selbyana*, 11: 30 (1989): gen. *Ravnia*.  
*allenii C.M. Taylor in Selbyana*, 11: 32 (1989), nom. nov.: *Ravnia panamensis Steyer.*  
*bonoi J.A. Steyermark in Ernstia*, 42: 5 (1987)—Venezuela.  
*longifilamentosa (Steyer.) C.M. Taylor in Selbyana*, 11: 32 (1989): *Ravnia longifilamentosa*.  
*triflora (Oersted) C.M. Taylor in Selbyana*, 11: 30 (1989): *Ravnia triflora*.  
*var. pittieri (Standley) C.M. Taylor in Selbyana*, 11: 31 (1989): *Ravnia pittieri*.

**HILLIARDIA** B. Nordenstam in *Op. Bot.*, 92: 147 (1987). **COMPOSITAE**.

- zuurbergensis (Oliv.) B. Nordenstam in Op. Bot.*, 92: 149 (1987): *Matricaria zuurbergensis*.

**HILLIELLA** (O.E. Schulz) Y.H. Zhang & H.W. Li in *Acta Bot. Yunnanica*, 8(4): 401 (1986): Cochlearia sect. *Hilliella* (Crucif.).

- alatipes (Hand.-Mazz.) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 402 (1986): Cochlearia *alatipes*.  
*var. macranthus Y.H. Zhang in Acta Bot. Yunnanica*, 8(4): 403 (1986)—China.  
*var. micranthus Y.H. Zhang in Acta Bot. Yunnanica*, 8(4): 403 (1986)—China.  
*changhuaiensis Y.H. Zhang in Acta Bot. Yunnanica*, 9(2): 155 (1987)—China.  
*formosana (Hayata) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 403 (1986): Cochlearia *formosana*.

**HILLIELLA** :-

- fumarioides (Dunn) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 403 (1986): Cochlearia *fumarioides*.  
*guangdongensis Y.H. Zhang in Acta Bot. Yunnanica*, 9(2): 157 (1987)—China.  
*hui (O.E. Schulz) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 404 (1986): Cochlearia *hui*.  
*hunanensis Y.H. Zhang in Acta Bot. Yunnanica*, 9(2): 160 (1987)—China.  
*lichuanensis Y.H. Zhang in Acta Bot. Yunnanica*, 9(2): 158 (1987)—China.  
*longistyla Y.H. Zhang in Acta Bot. Yunnanica*, 9(2): 153 (1987)—China.  
*paradoxa (Hance) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 404 (1986): Cardamine *paradoxa*.  
*rivulorum (Dunn) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 404 (1986): Nasturtium *rivulorum*.  
*shuangpaiensis Z.Y. Li in Acta Bot. Yunnanica*, 10(1): 117 (1988)—China.  
*sinuata (Kuan) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 404 (1986): Cochlearia *sinuata*.  
*var. qianwuensis Y.H. Zhang in Acta Bot. Yunnanica*, 8(4): 405 (1986)—China.  
*warburgii (O.E. Schulz) Y.H. Zhang & H.W. Li in Acta Bot. Yunnanica*, 8(4): 405 (1986): Cochlearia *warburgii*.  
*var. albiflora S.X. Qian in Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 63 (1990)—China.

**HIMANTOGLOSSUM** (Orchidac.).

- samariensis C. & A. Aliberti in Orchidophile*, 87: 110 (1989)—Crete.

**HIMERANTHUS** (Solanac.).

- runcinatus (Lam.) Endl., Cat. Horti Vindob.*, 2: 83 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): *Jaborosa runcinata*.

**HIPPEASTRUM** (Amaryllidac.).

- wilsoniae L.J. Doran & F.W. Meyer in Herbertia*, 43(1): 10 (1987)—Bolivia.

**HIPPEOPHYLLUM** (Orchidac.).

- pumilum Fuk. ex T.P. Lin, Native Orchids Taiwan*, 3: 141 (1987), without type—Taiwan.

**HIPPOCREPIS** (Legumin.).

- balearica*  
*subsp. grosii (Pau) M. Mus, J.A. Rosselló & N. Torres in Candollea*, 45(1): 79 (1990): *H. balearica* var. *grosii*.  
*var. minoricensis P. Monserrat ex M. Láziz in Fontqueria*, 24: 2 (1989)—Balearic Is.  
*carpetana P. Lassen in Willdenowia*, 19(1): 61 (1989)—Spain.  
*comosa*  
*var. glauca (Ten.) O. de Bolòs & J. Vigo, Fl. Països Catalans*, 2: 825 (1990): *H. glauca*.  
*var. scorpoides (Req. ex Benth.) O. de Bolòs & J. Vigo, Fl. Països Catalans*, 2: 825 (1990): *H. scorpoides*.  
*emerus (L.) P. Lassen in Svensk Bot. Tidskr.*, 83(2): 86 (1989): *Coronilla emerus*.  
*subsp. emeroides (Boiss. & Spruner) W. Greuter & Burdet in Willdenowia*, 16(2): 443 (1987): *Coronilla emeroides*.  
*subsp. emeroides (Boiss. & Spruner) Greuter & Burdet ex P. Lassen in Svensk Bot. Tidskr.*, 83(2): 86 (1989): *Coronilla emeroides*.  
*monticola Durieu ex P. Lassen in Willdenowia*, 19(1): 61 (1989)—Algeria, Morocco, Tunisia, Libya.  
*neglecta P. Lassen in Willdenowia*, 19(1): 61 (1989)—Morocco.  
*scorpoides Req. ex G. Benth., Cat. Pl. Pyrénées*: 90 (1826)—France.  
*var. nevadensis (Uhrova) P. Lassen in Willdenowia*, 16(1): 111 (1986): *H. comosa* var. *nevadensis*.  
*unisiliquosa*  
*subsp. armena P. Lassen in Willdenowia*, 19(1): 61 (1989)—U.S.S.R. (Caucasus), Iran.  
*subsp. biflora (Sprengel) O. de Bolòs & J. Vigo, Fl. Països Catalans*: 642 (1984): *H. biflora*.

**HIPPOPHAE** (Elaeagnac.).

- sect. *Gyantsenses Y.S. Lian in Acta Phytotax. Sin.*, 26(3): 236 (1988).

**HIPPOPHAE** :-

- gyantsensis (Rousi) Y.S. Lian in Acta Phytotax. Sin.*, 26(3): 235 (1988): *H. rhamnoides* subsp. *gyantsensis*.

**HIPPURIS** (Hippuridac.).

- spiralis D. Yu in Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 87 (1990)—China.  
*vulgaris*  
*var. ramificans D. Yu in Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 88 (1990)—China.

**HIPTAGE** (Malpighiac.).

- calicicola P. Siriruga in Nordic J. Bot.*, 7(3): 277 (1987)—Thailand.  
*gracilis P. Siriruga in Nordic J. Bot.*, 7(3): 279 (1987)—Thailand.  
*monopteryx P. Siriruga in Nordic J. Bot.*, 7(3): 279 (1987)—Thailand.

**HIRTELLA** (Chrysobalanac.).

- liesneri G.T. Prance in Fl. Neotrop.*, 9S: 89 (1989)—Venezuela.  
*margae G.T. Prance in Proc. Kon. Nederl. Acad. Wetensch.*, C, 89(1): 111 (1986)—Surinam, Guyana.  
*racemosa*  
*var. hispida G.T. Prance in Proc. Kon. Nederl. Acad. Wetensch.*, C, 89(1): 113 (1986)—Brazil, French Guiana.

**HODGSONIA** (Cucurbitac.).

- macrocarpa*  
*var. capniocarpa (Ridl.) Tsai ex A.M. Lu & Z.Y. Zhang in Fl. Reipubl. Popul. Sin.*, 73(1): 259 (1986): *Hodgsonia capniocarpa*.

**HOFFMANNSEGGLIA** (Legumin.).

- arequipensis E.A. Ulibarri in Darwiniana*, 28(1-4): 232 (1987 publ. 1988)—Peru.  
*montana (Britton) R. McVaugh, Fl. Novo-Galiciana*, 5: 68 (1987): *Larrea montana*.

**HOFMEISTERIA** (Compos.).

- anomalochoeta (R.M. King) B.L. Turner in Phytologia*, 63(6): 416 (1987): *Carterothamnus anomalochoeta*.  
*malvaefolia (B.L. Rob. & Greenm.) B.L. Turner in Phytologia*, 63(6): 416 (1987): *Oaxacana malvaefolia*.

**HOLBOELLIA** (Lardizabalac.).

- apetala Q. Xia, J.Z. Suen & Z.X. Peng in Acta Phytotax. Sin.*, 28(5): 409 (1990)—China.  
*khassiana T.K. Paul & M.P. Nayar in Bull. Bot. Surv. India*, 27(1-4): 105 (1985 publ. 1987)—India.

**HOLCOGLOSSUM** (Orchidac.).

- sect. *Kimballianum E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987).  
*amesianum (Reichb. f.) E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987): *Vanda amesiana*.  
*himalaicum (Deb, Sengupta & Malick) L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 432 (March 1988): *Saccolabium himalaicum*.  
*himalaicum (Deb, Sengupta & Malick) K. Senghas in Schlechter Orchideen*, 1(19-20): 1194 (October 1988), isonym see *L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 432 (March 1988): *Saccolabium himalaicum*.  
*kimballianum*  
*var. lingulatum L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 426 (1988)—Vietnam.  
*saprophyticum (Gagnep.) E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987): *Vanda saprophytica*.  
*sinicum E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987)—China.  
*subulifolium (Reichb. f.) E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987): *Vanda subulifolia*.  
*subulifolium (Reichenb. f.) Seidenf. ex L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 432 (1988), isonym; see *E.A. Christenson in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 255 (1987): *Vanda subulifolia*.

**HOLCOLEMMMA** (Gramin.).

dispar W.D. Clayton in *Kew Bull.*, 42(2): 402 (1987), nom. nov.: *Panicum inaequale* F. Muell.

**HOLCUS** (Gramin.).

aciculatus (Retz.) R. Brown in D. Denham & H. Clapperton, *Narr. Travels Africa, Appendix*: 244 (1826), as 'acicularis'; cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 64 (1980): *Andropogon aciculatus*.

**HOLMGRENANTHE** W.J. Elisens, *Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 54 (1985). **SCROPHULARIACEAE**.

petrophila (Coville & C. Morton) W.J. Elisens, *Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 54 (1985): *Maurandia petrophila*.

**HOLMSKIOLDIA** (Verbenac.).

gigas R.B. Faden in *Kew Bull.*, 43(4): 660 (1988)—Kenya.

**HOLOGRAPHIS** (Acanthac.).

caput-medusae T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(2): 76 (1988)—Mexico.  
 leticiana T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(2): 79 (1988)—Mexico.  
 tolantongensis T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(2): 75 (1988)—Mexico.  
 websteri T.F. Daniel in *Southwest. Nat.*, 31(2): 169 (1986)—Mexico.

**HOLOSTEUM** (Caryophyllac.).

kobresietorum K.H. Rechinger in *Fl. Iran.*, 163: 113 (1988)—Afghanistan.

**HOLOTHRIX** (Orchidac.).

rorida G. Williamson in *Kirkia*, 13(2): 245 (1990)—Malawi.  
 villosa  
 subsp. chimanimaniensis G. Williamson in *Kirkia*, 13(2): 247 (1990)—Zimbabwe, Mozambique.

**HOLSTIANTHUS** J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 73(2): 495 (1986). **RUBIACEAE**.

barbicularis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 73(2): 495 (1986)—Venezuela.

**HOMALIUM** (Flacourtiac.).

ceylanicum  
 var. debbarmani (Kanjilal et al.) H.B. Naithani & S. Biswas in H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 49 (1990): H. bhamoense var. debbarmani.  
 var. laoticum (Gagnep.) G.S. Fan in *J. Wuhan Bot. Res.*, 8(2): 139 (1990): H. laoticum.  
 dasyanthum (Turcz.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 451 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Blackwellia dasyantha*.

**HOMALOCALYX** (Myrtac.).

aureus (C. Gardner) L.A. Craven in *Brunonia*, 10(2): 147 (1987): *Wehlia aurea*.  
 chapmanii L.A. Craven in *Brunonia*, 10(2): 147 (1987)—Australia (W. Australia).  
 coarctatus (F. Muell.) L.A. Craven in *Brunonia*, 10(2): 148 (1987): *Wehlia coarctata*.  
 echinulatus L.A. Craven in *Brunonia*, 10(2): 149 (1987)—Australia (W. Australia).  
 grandiflorus (C. Gardner) L.A. Craven in *Brunonia*, 10(2): 151 (1987): *Wehlia grandiflora*.  
 inerrabundus L.A. Craven in *Brunonia*, 10(2): 152 (1987)—Australia (W. Australia).  
 pulcherrimus (Ewart & B. Rees) L.A. Craven in *Brunonia*, 10(2): 154 (1987): *Wehlia pulcherrima*.  
 staminosus (F. Muell.) L.A. Craven in *Brunonia*, 10(2): 155 (1987): *Wehlia staminosa*.  
 thryptomenoides (F. Muell.) L.A. Craven in *Brunonia*, 10(2): 156 (1987): *Wehlia thryptomenoides*.

**HOMALOMENA** (Arac.).

engleri J. Bogner in *Aroidaeana*, 8(3): 75 (1985 publ. 1986), nom. nov.: *Diandriella novoguineensis* Engl.

**HOMOGNAPHALUM** (Compos.).

pulvinatum (Del.) A.A. Fayed & M. Zareh in *Willdenowia*, 18(2): 451 (1989): *Gnaphalium pulvinatum*.

**HOMOPHOLIS** (Gramin.).

proluta (F. Muell.) R.D. Webster, *Australian Paniceae* (Poac.): 96 (1987): *Panicum prolutum*.

**HOOKEROCHLOA** E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 90(5): 106 (1985). **GRAMINEAE**.

hookeriana (F. Muell. ex Hook. f.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 90(5): 106 (1985): *Festuca hookeriana*.

**HOPEA** (Dipterocarpace.).

modesta (A.DC.) A.J.G.J. Kostermans in *Ceylon J. Sci., Biol. Sci.*, 15(1-2): 47 (1982): H. jucunda var. modesta.  
 ponga  
 var. cauveriana K.R. Keshava Murthy & S.N. Yoganarasimhan in *Current Sci.*, 56(11): 544 (1987)—India.

**HORDEUM** (Gramin.).

brevisubulatum  
 var. turkestanicum (Nevski) P.C. Kuo in *Fl. Xizangica*, 5: 177 (1987): H. turkestanicum.  
 fuegianum R. von Bothmer, N. Jacobsen & R.B. Jørgensen in *Nordic J. Bot.*, 6(4): 404 (1986)—Tierra del Fuego, Chile.  
 patagonicum  
 subsp. magellanicum (Parodi & Nicora) R. von Bothmer, B.E. Giles & N. Jacobsen in *Bot. Jahrb.*, 109(3): 380 (1988): H. chilense var. magellanicum.  
 subsp. mustersii (Nicora) R. von Bothmer, B.E. Giles & N. Jacobsen in *Bot. Jahrb.*, 109(3): 378 (1988): H. mustersii.  
 subsp. santacrucense (Parodi & Nicora) R. von Bothmer, B.E. Giles & N. Jacobsen in *Bot. Jahrb.*, 109(3): 378 (1988): H. santacrucense.  
 subsp. setifolium (Parodi & Nicora) R. von Bothmer, B.E. Giles & N. Jacobsen in *Bot. Jahrb.*, 109(3): 376 (1988): H. setifolium.  
 vulgare  
 var. abdulbasirovii D.S. Omarov in *Trudy Prikl. Bot. Genet. Selekt.*, 95: 57 (1985), as 'abdulbasirovi'—Cultivation.  
 var. bachtееvii D.S. Omarov in *Trudy Prikl. Bot. Genet. Selekt.*, 95: 57 (1985), as 'bachtееvi'—Cultivation.  
 var. lukyanovae D.S. Omarov in *Trudy Prikl. Bot. Genet. Selekt.*, 95: 57 (1985)—Cultivation.  
 var. lyovii D.S. Omarov in *Trudy Prikl. Bot. Genet. Selekt.*, 95: 57 (1985), as 'lyovi'—Cultivation.  
 var. valentinae D.S. Omarov in *Trudy Prikl. Bot. Genet. Selekt.*, 95: 58 (1985)—Cultivation.

**HORNSCHUCHIA** (Annonac.).

cauliflora P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch., C*, 91(3): 259 (1988)—Brazil.  
 obliqua P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch., C*, 91(3): 260 (1988)—Brazil.  
 polyantha P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch., C*, 89(3): 258 (1986)—Brazil.

**HORNSTEDTIA** (Zingiberac.).

gracilis R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 233 (1987)—Borneo (Sabah).

**HORSFIELDIA** (Myristicac.).

affinis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 217 (1985)—Borneo (Sarawak, Brunei, Kalimantan).  
 amplomontana W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 34 (1986)—Borneo (Sabah).  
 androphora W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 32 (1986)—Borneo (Sarawak, Sabah).  
 atjehensis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 186 (1985)—Sumatra.  
 borneensis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 27 (1986)—Borneo (Sarawak, Sabah, Kalimantan).

**HORSFIELDIA** :-

coriacea W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 50 (1986)—Celebes.  
 coryandra W.J.J.O. de Wilde in *Blumea*, 32(2): 464 (1987)—New Guinea (Papua New Guinea).  
 discolor W.J.J.O. de Wilde in *Blumea*, 32(2): 469 (1987)—Borneo (Kalimantan, ?Sarawak, ?Brunei, ?Sabah).  
 disticha W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 10 (1986)—Borneo (Brunei).  
 elongata W.J.J.O. de Wilde in *Blumea*, 32(2): 465 (1987)—Malaya.  
 endertii W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 24 (1986)—Borneo (Kalimantan, Sarawak, Sabah).  
 glabra  
 var. javanica W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 59 (1986)—Java.  
 var. oviflora W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 59 (1986)—Java.  
 gracilis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 211 (1985)—Borneo (Sarawak).  
 hirtiflora W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 1 (1986)—Sumatra.  
 laticostata (Sinclair) W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 15 (1986): H. brachiata var. laticostata.  
 macilentia W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 13 (1986)—Borneo (Sabah, Sarawak), Malaya, Sumatra.  
 nervosa W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 16 (1986)—Borneo (Sarawak).  
 obscura W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 42 (1986)—Borneo (Kalimantan, ?Sarawak).  
 obtusa W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 9 (1986)—Borneo (Sarawak).  
 pachyrachis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 5 (1986)—Borneo (Kalimantan).  
 pallidicaula W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 191 (1985)—Borneo (Sarawak, Sabah, ?Kalimantan).  
 var. macrocarya W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 193 (1985)—Borneo (Sarawak).  
 var. microcarya (Sinclair) W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 193 (1985): H. bracteosa var. microcarya.  
 polyspherula  
 var. maxima W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 22 (1986)—Borneo (Sarawak, Sabah, Kalimantan).  
 var. sumatrana (Miq.) W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 20 (1986): *Myristica glabra* var. sumatrana.  
 pulcherrima W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 206 (1985)—Malaya, Sumatra.  
 punctata W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 37 (1986)—Malaya.  
 sessilifolia W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 201 (1985)—Borneo (Sarawak).  
 sparsa W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 194 (1985)—Malaya, Thailand, Singapore, Sumatra.  
 splendida W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 213 (1985)—Borneo (Sarawak, Brunei, Sabah, Kalimantan).  
 sterilis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 224 (1985)—Borneo (Sabah).  
 subalpina  
 subsp. kinabaluensis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 41 (1986)—Borneo (Sabah, ?Sarawak).  
 sucosa  
 subsp. bifissa W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 190 (1985)—Borneo (Kalimantan, Sabah).  
 tenuifolia (Sinclair) W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 11 (1986): H. polyspherula var. tenuifolia.  
 triandra W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 195 (1985)—Sumatra.  
 tristis W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 38(2): 197 (1985)—Borneo (Sarawak, Kalimantan), Sumatra.  
 urceolata W.J.J.O. de Wilde in *Blumea*, 32(2): 462 (1987)—New Guinea (Papua New Guinea).

**HORSFIELDIA** :-

xanthina

subsp. *macrophylla* W.J.J.O. de Wilde in *Gard. Bull. Singapore*, 39(1): 47 (1986)—Borneo (Sabah, Sarawak).

**HORSTRISSEA** W. Greuter, P. Gerstberger & B. Egli in *Willdenowia*, 19(2): 391 (1990). **UMBELLIFERAE**.

**HORSTRISSEA** (Umbellif.).

dolinicola W. Greuter, P. Gerstberger & B. Egli in *Willdenowia*, 19(2): 391 (1990)—Crete.

**HORTIA** (Rutac.).

neblinensis B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 121 (1989)—Brazil.

**HOSTA** (Hostac.).

albofarinosa D.Q. Wang in *Guihaia*, 9(4): 297 (1989)—China.

jonesii M.G. Chung in *Ann. Missouri Bot. Gard.*, 76(3): 920 (1989)—Korea.

yingeri S.B. Jones in *Ann. Missouri Bot. Gard.*, 76(2): 604 (1989)—Korea.

**HOUSSAYANTHUS** A.T. Hunziker in *Kurtziana*, 11: 17 (1978). **SAPINDACEAE**.

fiebrigii (Barkley) A.T. Hunziker in *Kurtziana*, 11: 20 (1978): *Urvillea* fiebrigii.

incanus (Radlk.) M.S. Ferrucci in *Candollea*, 41(1): 218 (1986): *Serjania* incana.

macrolophus (Radlk.) A.T. Hunziker in *Kurtziana*, 11: 18 (1978): *Cardiospermum*? *macrolophum*.

monogynus (Hoffmanns. ex Schlechtendal) M.S. Ferrucci in *Candollea*, 42(2): 806 (1987): *Serjania* monogyna.

**HOUSTONIA** (Rubiace.).

canadensis

var. *setiscaphia* (L.G. Carr) C.F. Reed in *Phytologia*, 63(5): 412 (1987): *H. setiscaphia*.

greenii (A. Gray) E.E. Terrell in *Phytologia*, 59(1): 79 (1985): *Oldenlandia* greenii.

nigricans

var. *floridana* (Standley) E.E. Terrell in *Phytologia*, 59(1): 79 (1985): *H. floridana*.

var. *pulvinata* (Small) E.E. Terrell in *Phytologia*, 59(1): 79 (1985): *H. pulvinata*.

ouachitana (E.B. Smith) E.E. Terrell in *Phytologia*, 65(2): 119 (1988): *Hedyotis* ouachitana.

rosea (Rafinesque) E.E. Terrell in *Rhodora*, 88(855): 395 (1986): *Hedyotis* rosea.

**HOUTTUYNIA** (Saururac.).

cordata C.P. Thunberg in *Kong. Vetensk. Akad. Handl., Stockholm*, 4: 149, 152, t. 5 (1783), as 'Houttuynia'—Japan.

f. *polypetaloides* T. Yamazaki in *J. Jap. Bot.*, 61(10): 310 (1986)—Cultivation.

f. *viridis* J. Ohara in *J. Phytogeogr. Taxon.*, 33(2): 72 (1985)—Japan.

**HOVEA** (Legumin.).

arnhemica J.H. Ross in *Muelleria*, 7(1): 135 (1989)—Australia (N. Terr.).

corrickiae J.H. Ross in *Muelleria*, 7(2): 203 (1990)—Australia (Victoria), Tasmania.

montana (J.D. Hook.) J.H. Ross in *Muelleria*, 6(6): 427 (1988): *H. purpurea* var. *montana*.

planifolia (Domin) J.H. Ross in *Muelleria*, 7(1): 138 (1989): *H. longifolia* subvar. *planifolia*.

**HOVENIA** (Rhamnac.).

dulcis

var. *acerba* (Lindl.) G. Sen Gupta & B. Safui in *Bull. Bot. Surv. India*, 26(1-2): 55 (1984 publ. 1985): *H. acerba*.

**HOYA** (Asclepiadac.).

acuta

var. *citrina* (Ridley) D.H. Kent in *Hoyan*, 11(1:2): i (1989): *H. citrina*.

alagensis D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: I (1990)—Philippine Is.

alata K.D. Hill in *Telopea*, 3(2): 249 (1988)—Australia (Queensland).

**HOYA** :-

australis

subsp. *sana* (Bailey) K.D. Hill in *Telopea*, 3(2): 251 (1988): *H. sana*.

burtoniae Kloppenburg in *Hoyan*, 12(1:2): i (1990)—Philippine Is.

carnosa

var. *gushanica* W. Xu in *Guihaia*, 9(3): 199 (1989)—China.

cembra D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: II (1990)—Philippine Is.

ciliata Elmer ex C.M. Burton in *Hoyan*, 9(4:2): i (1988)—Philippine Is.

compacta C.M. Burton in *Hoyan*, 12(2:2): ii (1990)—Cultivation.

edanoi C.M. Burton in *Hoyan*, 12(2:2): i (1990)—Philippine Is.

halconensis D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: III (1990)—Philippine Is.

heuschkeliana Kloppenburg in *Hoyan*, 11(1:2): i (1989)—Philippine Is.

leytensis Elmer ex C.M. Burton in *Hoyan*, 10(1:2): 1 (1988)—Philippine Is.

madulidii D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: IV (1990)—Philippine Is.

meredithii T. Green in *Phytologia*, 64(4): 304 (1988)—Borneo (Sarawak).

obscura Elmer ex C.M. Burton in *Hoyan*, 8(1): 15 (1986)—Philippine Is.

oligotricha K.D. Hill in *Telopea*, 3(2): 253 (1988)—Australia (Queensland, New South Wales).

subsp. *tenuipes* K.D. Hill in *Telopea*, 3(2): 254 (1988)—Australia (Queensland).

palawanica D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: V (1990)—Philippine Is.

panchoi Kloppenburg in *Hoyan*, 10(1:2): 1 (1988)—Philippine Is.

paziae D. Kloppenburg in *Fraterna*, 1(3), Philipp. Hoya Sp. Suppl.: VI (1990)—Philippine Is.

revoluta Wight ex J.D. Hooker, *Fl. Brit. India*, 4(1): 55 (1883); cf. C.M. Burton in *Hoyan*, 9(2): 33 (1987)—Malaya, Singapore.†

rupicola K.D. Hill in *Telopea*, 3(2): 252 (1988)—Australia (N. Terr., W. Australia).

tsangii C.M. Burton in *Hoyan*, 9(4:2): i (1988)—Philippine Is.

**HUERNIA** (Asclepiadac.).

ser. *Ampligibbae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

ser. *Annulatae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 9 (1988).

ser. *Asperae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

subser. *Australiae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 10 (1988).

subser. *Boreales* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 10 (1988).

subsect. *Calostelmae* (Berger) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 9 (1988): *H. sect. Calostelma*.

ser. *Cleistostelmae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 12 (1988).

subser. *Convexae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

sect. *Fallacistelma* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 12 (1988).

ser. *Humiles* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

ser. *Multangulares* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 9 (1988).

ser. *Paucianguilosae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 10 (1988).

subser. *Podostelmae* (Berger) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 10 (1988): *H. sect. Podostelma*.

subser. *Procumbentes* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 12 (1988).

subser. *Urceolatae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

subser. *Verekeriae* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 11 (1988).

archeri L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 88 (1988)—Kenya.

bayeri L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 187 (1988)—South Africa (Cape Province).

brevirostris

subsp. *baviaana* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 166 (1988)—South Africa (Cape Province).

**HUERNIA** :-

subsp. *intermedia* (N.E. Br.) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 164 (1988): *H. brevirostris* var. *intermedia*.

echidnopsioides (Leach) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 51 (1988): *H. pillansii* subsp. *echidnopsioides*.

formosa L.C. Leach in *Excelsa*, 12: 95 (1986)—Somali Republic.

guttata

subsp. *calitzdorpensis* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 38 (1988)—South Africa (Cape Province).

lavrani L.C. Leach in *Excelsa*, 12: 94 (1986)—Somali Republic.

plowesii L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 134 (1988)—Namibia.

quinta

var. *blyderiverensis* L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 178 (1988)—South Africa (Transvaal).

thudichumii L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 132 (1988)—South Africa (Cape Province).

thuretii

var. *primulina* (N.E. Br.) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 185 (1988): *H. primulina*.

zebrina

subsp. *magniflora* (Phillips) L.C. Leach in *Excelsa, Taxon. Ser.*, 4: 139 (1988): *H. zebrina* var. *magniflora*.

**HULTENIELLA** N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 117 (1987), nom. nov.: *Dendranthema* sect. *Haplophylla* Tzvel. (Compos.).

integrifolia (Richards.) N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 118 (1987): *Chrysanthemum* integrifolium.

**HUMBERTIELLA** (Malvac.).

sect. *Verecunda* L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 24 (1990).

decaryi (Hochr.) L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 16 (1990): *Neohumbertiella* decaryi.

var. *sakarahensis* L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 19 (1990)—Madagascar.

foliosa (Hochr.) L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 24 (1990): *Neohumbertiella* foliosa.

sakamaliensis (Hochr.) L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 22 (1990): *Neohumbertiella* sakamaliensis.

tormeyae L.J. Dorr in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 19 (1990), as 'tormeyi'—Madagascar.

**HUMBERTIOTURRAEA** (Meliac.).

baronii (C.DC.) M. Cheek in *Kew Bull.*, 44(2): 370 (1989): *Turraea* baronii.

decaryana (Danguy) M. Cheek in *Kew Bull.*, 44(2): 370 (1989): *Turraea* decaryana.

grandidieri (Baillon) M. Cheek in *Kew Bull.*, 44(2): 370 (1989): *Turraea* grandidieri.

maculata (Smith) M. Cheek in *Kew Bull.*, 44(2): 369 (1989): *Turraea* maculata.

malifolia (Baker) M. Cheek in *Kew Bull.*, 44(2): 369 (1989): *Turraea* malifolia.

rhamnifolia (Baker) M. Cheek in *Kew Bull.*, 44(2): 369 (1989): *Turraea* rhamnifolia.

ripicola (C.DC.) M. Cheek in *Kew Bull.*, 44(2): 370 (1989): *Turraea* ripicola.

**HUMIRIASTRUM** (Humiriace.).

ottobueri J. Cuatrecasas in *Phytologia*, 68(4): 260 (1990)—Venezuela.

×**HUMMELARA** hort. in *Orchid Rev.*, 96(1132): centre page pull-out p. 8 (1988). **ORCHIDACEAE**. (*Barkeria* × *Brassavola* × *Epidendrum*).

**HUMULOPSIS** I.A. Grudzinskaya in *Bot. Zhurn.*, 73(4): 592 (1988). **CANNABACEAE**.

scandens (Lour.) I.A. Grudzinskaya in *Bot. Zhurn.*, 73(4): 592 (1988): *Antidesma* scandens.

**HUNANIOPANAX** C.J. Qi & T.R. Cao in *Acta Phytotax. Sin.*, 26(1): 47 (1988). **ARALIACEAE**.  
hypoglauca C.J. Qi & T.R. Cao in *Acta Phytotax. Sin.*, 26(1): 49 (1988)—China.

**HUNTLEYA** (Orchidac.).  
vargasii C.H. Dodson & D.E. Bennett in *Ec. Pl. Trop.*, Ser. 2, 1: t. 80 (1989)—Peru.

**HUODENDRON** (Styracac.).  
decorticatum C.Y. Wu in *Fl. Yunnanica*, 3: 418 (1983)—China.  
tibeticum  
var. denticulatum C.Y. Wu in *Fl. Yunnanica*, 3: 416 (1983)—China.

**HYACINTHOIDES** (Hyacinthac.).  
subgen. Somera (*Salisb.*) F. Speta in *Phyton (Austria)*, 26(2): 288 (1987): gen. Somera.  
mauritanica (*Schousb.*) F. Speta in *Phyton (Austria)*, 26(2): 288 (1987): Scilla mauritanica.  
reverchonii (*Degen & Hervier*) F. Speta in *Phyton (Austria)*, 26(2): 288 (1987): Scilla reverchonii.

**HYALOCHEATE** M. Dittich & K.H. Rechinger in *Fl. Iran.*, 139a: 215 (1979). **COMPOSITAE**.

**HYALOLAENA** A. Bunge, *Beitr. Fl. Russl.*: 128 (1852). **UMBELLIFERAE**.  
†  
issykkulensis M.G. Pimenov & E.V. Klyukov in *Bot. Zhurn.*, 75(1): 92 (1990)—U.S.S.R. (Middle Asia).  
jaxartica A. Bunge, *Beitr. Fl. Russl.*: 128 (1852)—U.S.S.R. (Middle Asia).  
†  
viridiflora E.V. Klyukov in *Bot. Zhurn.*, 71(9): 1271 (1986)—U.S.S.R. (Middle Asia).

**HYALOPOA** (Gramin.).  
czirahica Sh.A. Guseinov in *Bot. Zhurn.*, 73(12): 1743 (1988)—U.S.S.R. (Caucasus).

**HYALOSERIS** (Compos.).  
longicephala B.L. Turner in *Phytologia*, 59(5): 317 (1986)—Bolivia.

**HYALOSPERMA** (Compos.).  
cotula (*Benth.*) Paul G. Wilson in *Nuytsia*, 7(1): 93 (1989): *Helichrysum* cotula.  
demissum (A. Gray) Paul G. Wilson in *Nuytsia*, 7(1): 85 (1989): *Pteropogon* demissus.  
glutinosum  
subsp. venustum (S. Moore) Paul G. Wilson in *Nuytsia*, 7(1): 91 (1989): *Helipterum* venustum.  
praecox (F. Muell.) Paul G. Wilson in *Nuytsia*, 7(1): 96 (1989): *Helipterum* praecox.  
pusillum (*Turcz.*) Paul G. Wilson in *Nuytsia*, 7(1): 97 (1989): *Helipterum* pusillum.  
semisterile (F. Muell.) Paul G. Wilson in *Nuytsia*, 7(1): 92 (1989): *Helipterum* semisterile.  
simplex (*Steetz*) Paul G. Wilson in *Nuytsia*, 7(1): 94 (1989): *Helipterum* simplex.  
subsp. granitica Paul G. Wilson in *Nuytsia*, 7(1): 95 (1989)—Australia (W. Australia).  
stoveae (D.A. Cooke) Paul G. Wilson in *Nuytsia*, 7(1): 87 (1989): *Helipterum* stoveae.  
zacchaeus (S. Moore) Paul G. Wilson in *Nuytsia*, 7(1): 85 (1989): *Helipterum* zacchaeus.

**HYBANTHUS** (Violac.).  
jefensis C.A. Todzia in *Ann. Missouri Bot. Gard.*, 76(1): 360 (1989)—Panama.

**HYDRANGEA** (Hydrangeac.).  
arborescens  
f. carnea (Raf.) L.J. Uttal in *Sida*, 11(3): 352 (1986): *H. vulgaris* var. carnea.  
chinensis  
var. lobii (Maxim.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 538 (1987): *H. lobii*.  
serrata  
var. angustata (Franch. & Savat.) H. Ohba in *J. Jap. Bot.*, 64(11): 325 (1989): *H. hortensis* γ. angustata.  
var. megacarpa (Ohwi) H. Ohba in *J. Jap. Bot.*, 64(11): 326 (1989): *H. macrophylla* var. megacarpa.  
var. minamitanii H. Ohba in *J. Jap. Bot.*, 64(7): 199 (1989)—Japan.

**HYDRANGEA** —  
f. prolifera (Regel) H. Ohba in *J. Jap. Bot.*, 64(11): 325 (1989): *H. stellata* β. prolifera.  
var. thunbergii (Sieb.) H. Ohba in *J. Jap. Bot.*, 64(11): 326 (1989): *H. thunbergii*.  
verticillata W.H. Gao in *Acta Phytotax. Sin.*, 25(5): 410 (1987)—China.  
zhewanensis P.S. Hsu & X.P. Zhang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 7: 12 (1987)—China.

**HYDROCOTYLE** (Umbellif.).  
calicicola Y.H. Li in *Guihaia*, 9(1): 25 (1989)—China.  
craibii H. Eichler in *Feddes Repert.*, 98(3-4): 146 (1987), nom. nov.: *H. javanica* var. chinensis Dunn ex Shan & Liou.  
salwinica  
var. obtusiloba S.L. Liou in *Acta Phytotax. Sin.*, 28(2): 152 (1990)—Xizang.  
shanii D.E. Boufford in *Acta Phytotax. Sin.*, 28(4): 331 (1990), nom. nov.: *H. javanica* var. chinensis Dunn ex Shan & S.L. Liou.

**HYDRODYSSODIA** B.L. Turner in *Phytologia*, 65(2): 134 (1988). **COMPOSITAE**.  
stevensii (McVaugh) B.L. Turner in *Phytologia*, 65(2): 134 (1988): *Hydropectis* stevensii.

**HYDROIDEA** P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 29 (1990). **COMPOSITAE**.  
elsiae (Hilliard) P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 29 (1990): *Atrichantha* elsiae.

**HYDROLEA** (Hydrophyllac.).  
brevistyla B. Verdcourt in *Fl. Trop. E. Afr., Hydrophyllac.*: 4 (1989)—Zambia, Tanzania.  
spinosa  
var. maior (Brand) L.J. Davenport in *Rhodora*, 90(862): 187 (1988): *H. cervantesii* var. maior.  
var. paraguayensis (Chodat) L.J. Davenport in *Rhodora*, 90(862): 184 (1988): *H. paraguayensis*.

**HYDROSTEMMA** Wall. in Taylor & Phillips, *Phil. Mag.*, n.s., 1: 454 (June 1827); cf. D.J. Mabberley in *Taxon*, 31(1): 68 (1982). **NYMPHAEACEAE**.

**HYERONIMA** (Euphorbiac.).  
alchorneoides  
var. stipulosa P. Franco R. in *Bot. Jahrb.*, 111(3): 321 (1990)—Colombia, Costa Rica, Ecuador, French Guiana, Panama, Peru, Windward Is., Venezuela.  
rufa P. Franco R. in *Bot. Jahrb.*, 111(3): 334 (1990)—Colombia.

**HYGROCHILUS** (Orchidac.).  
parishii  
var. mariottianus (Rchb. f.) K. Senghas in *Schlechter Orchideen*, 1(22): 1357 (1989), isonym: *Vanda* parishii var. mariottiana.  
var. mariottianus (Rchb. f.) U.C. Pradhan in *Indian Orchid J.*, 2(1): 11 (1987), as mariottiana: *Vanda* parishii var. mariottiana.  
var. purpureus (N.E. Brown) U.C. Pradhan in *Indian Orchid J.*, 2(1): 11 (1987): *Vanda* parishii var. purpurea.

**HYGROPHILA** (Acanthac.).  
heinei  
var. birbhumensis (Guha) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 333 (1990): *Cardanthera uliginosa* var. birbhumensis.  
schulli (Hamilt.) M.R. Almeida & S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(Suppl.): 221 (1987): *Bahel* schulli.

**HYLOTELEPHIUM** (Crassulac.).  
almae (Fröd.) K.T. Fu & G.Y. Rao in *Acta Bot. Bor.-Occid. Sin.*, 8(2): 123 (1988): *Sedum* almae.  
sordidum  
var. oishii (Ohwi) H. Ohba & M. Amano in *J. Phytogeogr. Taxon.*, 38(1): 4 (1990): *Sedum* oishii.

**HYMENACHNE** (Gramin.).  
patens L. Liou in *Bot. Res., Inst. Bot. (Beijing)*, 1989(4): 35 (1989)—China.

**HYMENOCALLIS** (Amaryllidac.).  
acutifolia (Herb.) Sweet, *Hort. Brit.*, ed. 2: 513 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): *Basionym* not stated.  
howardii J.A. Bauml in R. McVaugh, *Fl. Novo-Galiciana*, 15: 212 (1989)—Mexico.  
incaica P. Ravenna in *Nordic J. Bot.*, 6(4): 463 (1986), with two types cited—Peru.  
leavenworthii (Standl. & Steyer.) J.A. Bauml in R. McVaugh, *Fl. Novo-Galiciana*, 15: 215 (1989): *Pancratium* leavenworthii.  
phalangidis J.A. Bauml in R. McVaugh, *Fl. Novo-Galiciana*, 15: 216 (1989)—Mexico.  
pimana J.E. Laferrière in *Phytologia*, 68(4): 256 (1990)—Mexico.  
proterantha J.A. Bauml in R. McVaugh, *Fl. Novo-Galiciana*, 15: 216 (1989)—Mexico.  
pumila J.A. Bauml in R. McVaugh, *Fl. Novo-Galiciana*, 15: 218 (1989)—Mexico.

**HYMENOCARPOS** (Legumin.).  
cornicina (L.) P. Lassen in *Willdenowia*, 16(1): 111 (1986): *Anthyllis* cornicina.  
hamosus (Desf.) P. Lassen in *Willdenowia*, 16(1): 111 (1986): *Anthyllis* hamosa.  
hispanicus P. Lassen in *Willdenowia*, 16(2): 443 (1987), nom. nov.: *Anthyllis* lotoides L. (1753).  
lotoides (L.) P. Lassen in *Willdenowia*, 16(1): 111 (1986): *Anthyllis* lotoides.

**HYMENODICTYON** (Rubiace.).  
rheedei (R. & S.) M.R. Almeida & S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(Suppl.): 223 (1987), as 'rheedi': *Benteka* rheedei.

**HYMENOLAENA** (Umbellif.).  
polyphylla K.H. Rechinger in *Fl. Iran.*, 162: 176 (1987)—Afghanistan.

**HYMENOLEPIS** (Compos.).  
cynopus K. Bremer & M. Källersjö in *Nordic J. Bot.*, 5(6): 519 (1985 publ. 1986)—South Africa (Cape Province).  
dentata (DC.) M. Källersjö in *Nordic J. Bot.*, 5(6): 534 (1985 publ. 1986): *Oligodora* dentata.  
gnidioides (S. Moore) P. Lassen in *Nordic J. Bot.*, 5(6): 534 (1985 publ. 1986): *Phaeocephalus* gnidioides.  
indivisa (Harv.) M. Källersjö in *Nordic J. Bot.*, 5(6): 534 (1985 publ. 1986): *Athanasia* indivisa.  
speciosa (Hutch.) M. Källersjö in *Nordic J. Bot.*, 5(6): 534 (1985 publ. 1986): *Athanasia* speciosa.

**HYMENOLOBIUM** (Legumin.).  
mesoamericanum H.C. de Lima in *Ann. Missouri Bot. Gard.*, 75(3): 1145 (1988)—Costa Rica, Nicaragua, Panama.

**HYMENOLOBUS** (Crucif.).  
revelieri (Jordan) S. Brullo in *Boll. Sedute Accad. Gioenia Sci. Nat. Catania*, 15(320): 227 (1982): *Hutchinsia* revelieri.  
subsp. sommieri (Pamp.) S. Brullo in *Boll. Sedute Accad. Gioenia Sci. Nat. Catania*, 15(320): 227 (1982): *Hutchinsia* procumbens f. sommieri.

**HYMENOPAPPUS** (Compos.).  
carrizoanus B.L. Turner in *Phytologia*, 67(4): 294 (1989)—U.S.A. (Texas).  
scabiosaeus  
var. artemisiifolius (DC.) K.N. Gandhi & R.D. Thomas in *Sida, Bot. Misc.*, 4: 113 (1989): *H. artemisiifolius*.

**HYMENOPOGON** (Rubiace.).  
parasiticus  
var. longiflorus How ex W.C. Chen in *Guihaia*, 7(4): 297 (1987)—China, Xizang.

**HYMENORCHIS** (Orchidac.).  
serrulata (Hallé) L.A. Garay in *Bot. Mus. Leaf. Harvard Univ.*, 30(3): (58) 192 (1985 publ. 14 Feb. 1986): *Saccolabium* serrulatum.  
serrulata (Hallé) N. Hallé in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 224 (1986 publ. 28 Jan. 1987), isonym: *Saccolabium* serrulatum.



**HYMENOXYLS** (Compos.).

- lapidicola *S.L. Welsh* & *E. Neese* in *Great Basin Nat.*, 43(2): 373 (1983)—U.S.A. (Utah).  
 ursina (*Standl.*) *B.L. Turner* in *Phytologia*, 69(1): 15 (1990): *Actinea ursina*.

**HYOSCYAMUS** (Solanac.).

- gallagheri *A.G. Miller* & *J.A. Biagi* in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 70 (1988)—Oman.

**HYOSERIS** (Compos.).

- frutescens *S. Brullo* & *P. Pavone* in *Candollea*, 43(2): 717 (1988)—Malta.

**HYPARRHENIA** (Gramin.).

- rufa  
 subsp. altissima (*Stapf*) *B.K. Simon* in *Austrobaileya*, 3(1): 86 (1989): *H. altissima*.

**HYPECOCUM** (Papaverac.).

- sect. *Leptocarpae* *A.E. Dahl* in *Nordic J. Bot.*, 10(2): 140 (1990).  
 sect. *Mnemosilla* (*Forsk.*) *A.E. Dahl* in *Nordic J. Bot.*, 10(2): 135 (1990), without basionym ref.: Basionym not stated.  
 sect. *Pendulae* *A.E. Dahl* in *Nordic J. Bot.*, 10(2): 137 (1990).  
 angustilobum *A.E. Dahl* in *Pl. Syst. Evol.*, 163(3-4): 260 (1989)—U.S.S.R. (Caucasus, Middle Asia), Iraq.  
 procumbens  
 subsp. atropunctatum *A.E. Dahl* in *Pl. Syst. Evol.*, 163(3-4): 255 (1989)—Turkey, East Aegean Is.  
 subsp. fragrantissimum *A.E. Dahl* in *Pl. Syst. Evol.*, 163(3-4): 254 (1989)—Greece.  
 torulosum *A.E. Dahl* in *Pl. Syst. Evol.*, 163(3-4): 268 (1989)—Greece, East Aegean Is., Crete, Algeria, Bulgaria, Cyprus, Corsica, France, Italy, Sicily, Romania, Turkey.  
 trullatum *A.E. Dahl* in *Pl. Syst. Evol.*, 163(3-4): 257 (1989)—Turkey.

**HYPENIA** (Mart. ex Benth.) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis* sect. *Hypenia* (*Labiata*).

- aristulata (*Epling*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis aristulata*.  
 brachystachys (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis brachystachys*.  
 calycina (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis calycina*.  
 concinna (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis concinna*.  
 crispata (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis crispata*.  
 densiflora (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis densiflora*.  
 durifolia (*Epling*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis durifolia*.  
 gardneriana (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis glauca* var. *gardneriana*.  
 glauca (*St. Hil. ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis glauca*.  
 inelegans (*Epling*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis inelegans*.  
 irregularis (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis irregularis*.  
 macrantha (*St. Hil. ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis macrantha*.  
 macrosiphon (*Briq.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis macrosiphon*.  
 marifolia (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis marifolia*.  
 micrantha (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Eriope micrantha*.  
 paniculata (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis paniculata*.  
 paradisi (*R. Harley*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis paradisi*.  
 pauliana (*Epling*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis pauliana*.  
 perplexa (*Epling*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis perplexa*.  
 pruinosa (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis pruinosa*.

**HYPENIA** :-

- reticulata (*Mart. ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis reticulata*.  
 salzmännii (*Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis salzmännii*.  
 subrosea (*R. Harley*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 92 (1988): *Hyptis subrosea*.  
 vitifolia (*Pohl ex Benth.*) *R.M. Harley* in *Bot. J. Linn. Soc.*, 98(2): 91 (1988): *Hyptis vitifolia*.

**HYPERBAENA** (Menispermac.).

- jalcomulcensis *E. Pérez Cueto* & *G. Castillo-Campos* in *Acta Bot. Mex.*, 4: 15 (1988)—Mexico.

**HYPERICUM** (Guttif.).

- sect. *Knifa* (*Adanson*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 2 (1987): gen. *Knifa*.  
 subsect. *Knifa* (*Adans.*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 95 (1990): gen. *Knifa*.  
 subsect. *Phellotes* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 16 (1990).  
 subsect. *Platyadenum* *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 256 (1986).  
 subsect. *Stenadenum* *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 257 (1986).  
 subsect. *Styphelioides* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 16 (1990).  
 sect. *Trigynobrachys* (*Y. Kimura*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 3 (1987): *Sarothra* sect. *Trigynobrachys*.  
 acostanum *Steyerj. ex N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 27 (1987)—Ecuador.  
 asplundii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 24 (1990)—Ecuador.  
 beamanii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 40 (1990)—Guatemala.  
 bolivaricum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 72 (1987)—Colombia.  
 brasiliense  
 var. *linoides* (*St. Hil.*) *C. Rodríguez Jiménez* in *Mem. Soc. Cienc. Nat. La Salle*, 33(94-95): 126 (1973): *H. linoides*.  
 callacallanum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 18 (1990)—Peru.  
 campestre  
 subsp. *pauciflorum* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 76 (1990)—Brazil.  
 subsp. *tenuis* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 78 (1990)—Paraguay, Argentina.  
 caracasianum  
 subsp. *turumiquirensis* (*Steyerj.*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 90 (1987): *H. caracasianum* var. *turumiquirensis*.  
 cassiopiiforme *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 59 (1987)—Peru.  
 castellanii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 23 (1990)—Venezuela, Colombia.  
 cerastoides  
 subsp. *meuselianum* *I. Hagemann* in *Flora (Germany)*, 183(3-4): 272 (1989)—Bulgaria/Greece border.  
 chamaemyrtus  
 subsp. *pseudocaracasianum* (*Steyerj.*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 30 (1990): *H. pseudocaracasianum*.  
 cordatum (*Vell. Conc.*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 59 (1990): *Receveura cordata*.  
 subsp. *kleinii* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 60 (1990)—Brazil.  
 costaricense *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 70 (1987)—Costa Rica, Panama, Colombia.  
 cymobrachys *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 103 (1987)—Colombia.  
 davisii *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 263 (1986)—Turkey, U.S.S.R. (Caucasus), Iran.  
 denticulatum  
 subsp. *acutifolium* (*Elliot*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 66 (1990): *H. acutifolium*.

**HYPERICUM** :-

- var. *virgatum* (*Lam.*) *C. Rodríguez Jiménez* in *Mem. Soc. Cienc. Nat. La Salle*, 33(94-95): 100 (1973): *H. virgatum*.  
 elongatum  
 subsp. *apiculatum* *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 261 (1986)—Turkey.  
 subsp. *callithyrsum* (*Cosson*) *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 262 (1986): *H. callithyrsum*.  
 subsp. *microcalycinum* (*Boiss.* & *Heldr.*) *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 261 (1986): *H. microcalycinum*.  
 subsp. *racemosum* (*Kuntze*) *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 261 (1986): *H. hyssopifolium* var. *racemosum*.  
 subsp. *tymphrestum* (*Boiss.* & *Spruner*) *N.K.B. Robson* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 262 (1986): *H. tymphrestum*.  
 empetrifolium  
 subsp. *oliganthum* (*Rech. f.*) *I. Hagemann* in *Pl. Syst. Evol.*, 155(1-4): 186 (1987): *H. empetrifolium* var. *oliganthum*.  
 subsp. *tortuosum* (*Rech. f.*) *I. Hagemann* in *Pl. Syst. Evol.*, 155(1-4): 186 (1987): *H. empetrifolium* var. *tortuosum*.  
 erectum *C.P. Thunberg* ex *A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 702 (1784)—Japan.†  
 espinalii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 22 (1990)—Colombia.  
 gladiatum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 21 (1990)—Colombia.  
 gleasonii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 55 (1987)—Colombia.  
 harlingii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 28 (1990)—Ecuador.  
 hengshanense  
 var. *xinlinense* *Z.Y. Li* in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 129 (1988)—China.  
 hookerianum  
 var. *dentatum* *S.N. Biswas* in *Bull. Bot. Surv. India*, 25(1-4): 195 (1983 publ. 1985)—India, Sikkim.  
 horizontale *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 81 (1987)—Colombia.  
 irazuense *Kuntze* ex *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 30 (1987)—Costa Rica, Panama.  
 japonicum *C.P. Thunberg* ex *A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 702 (1784)—Japan.†  
 jaramilloi *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 86 (1987)—Colombia, Costa Rica.  
 killipii *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 96 (1990)—Colombia.  
 kiusianum  
 var. *yakusimense* (*Koidz.*) *T. Kato* in *Bull. Nation. Sci. Mus.*, B (Tokyo), 13(2): 77 (1987): *H. yakusimense*.  
 lancioides  
 subsp. *congestiflorum* (*Triana* & *Planchon*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 101 (1987): *H. struthiolifolium* var. *congestiflorum*.  
 llanganaticum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 95 (1987)—Ecuador.  
 loxense  
 subsp. *aequatoriale* (*R. Keller*) *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 44 (1987): *H. loxense* var. *aequatoriale*.  
 magdalenicum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 63 (1987)—Colombia, Venezuela.  
 maguirei *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 52 (1987)—Ecuador.  
 marahuacanum *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 77 (1987)—Venezuela, Colombia.  
 subsp. *chimantacum* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 80 (1987)—Venezuela.  
 subsp. *strictissimum* *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 79 (1987)—Colombia, Venezuela.  
 martense *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 16(1): 51 (1987)—Colombia.  
 matangense *N.K.B. Robson* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 20(1): 17 (1990)—Ecuador.

**HYPERICUM** :-

- mutilum*  
*subsp. latisepalum* (Fern.) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 119 (1990): H. *mutilum* var. *latisepalum*.
- myrianthum*  
*subsp. tamariscinum* (Cham. & Schlechtendal) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 83 (1990): H. *tamariscinum*.
- papillosum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 34 (1987)—Colombia.
- parallelum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 76 (1987)—Colombia.
- paramitanum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 25 (1990)—Venezuela.
- patulum* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 700 (1784)—Japan.†
- pauciflorum*  
*subsp. involutum* (Labill.) C. Rodríguez Jiménez in Mem. Soc. Cienc. Nat. La Salle, 33(94-95): 105 (1973): *Ascyrum involutum*.
- pedersenii* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 72 (1990)—Brazil.
- phellos*  
*subsp. marcescens* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 16 (1990)—Colombia.
- subsp. oroqueanum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 25 (1987)—Colombia.
- subsp. platyphyllum* (Gleason) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 25 (1987): H. *platyphyllum*.
- pleiostylum* C. Rodríguez Jiménez in Mem. Soc. Cienc. Nat. La Salle, 33(94-95): 118 (1973)—Brazil.
- prietoii* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 58 (1987)—Ecuador.
- pumillum*  
*subsp. diffusum* (Rose) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 131 (1990): H. *diffusum*.
- radicans* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 24 (1990)—Colombia.
- recurvum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 68 (1987)—Peru.
- relictum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 95 (1990)—Colombia.
- rigidum*  
*subsp. bracteatum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 55 (1990), nom. nov.: H. *rigidum* var. *brevifolium* A. St. Hil.
- subsp. meridionale* (Lyman B. Smith) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 52 (1990): H. *meridionale*.
- subsp. sellowianum* (R. Keller) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 54 (1990): H. *sellowianum*.
- rubritinctum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 33 (1990)—Mexico.
- rumeliacum*  
*subsp. apollinis* (Boiss. & Heldr.) N.K.B. Robson & A. Strid in A. Strid (ed.), Mount. Fl. Greece, 1: 606 (1986): H. *apollinis*.
- salvadorense* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 79 (1990)—Brazil.
- selaginella* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 102 (1987)—Colombia.
- silenoides*  
*subsp. minus* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 90 (1990), without type—Galapagos Is.
- simonsii* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 34 (1987)—Colombia.
- sorgerae* N.K.B. Robson in Notes Roy. Bot. Gard. Edinburgh, 43(2): 264 (1986)—Turkey.
- sprucei* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 65 (1987)—Ecuador, Peru.
- strictum*  
*subsp. compactum* (Triana & Planchon) N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 85 (1987): H. *struthiolifolium* γ *compactum*.
- supinum* *Clusius ex Vis. in Atti 2 Riun. Sci. Ital.*: 175 (1841) et Racc.: 37 (1845); cf. D.J. Mabberley in Taxon, 31(1): 71 (1982)—Locality not stated.
- valleanum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 64 (1987)—Colombia.
- woodianum* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 20(1): 25 (1990)—Colombia.

**HYPERICUM** :-

- wurdackii* N.K.B. Robson in Bull. Brit. Mus. (Nat. Hist.), Bot., 16(1): 69 (1987)—Peru.

**HYPERTHELIA** (Gramin.).

- kottoensis* B.-M. Descouings & M. Mazade in Bull. Soc. Bot. France, Lett. Bot., 134(2): 203 (1987)—Central African Republic.

**HYPOBATHRUM** (Rubiace.).

- longifolium* (DC.) K.M. Wong in Tree Fl. Malaya, 4: 354 (1989): *Petunga longifolia*.
- var. hirta* (Ridl.) K.M. Wong in Tree Fl. Malaya, 4: 354 (1989): *Petunga hirta*.
- venulosum* (Hk. f.) K.M. Wong in Tree Fl. Malaya, 4: 355 (1989): *Petunga venulosa*.

**HYPODISCUS** (Restionac.).

- laevigatus* (Kunth) H.P. Linder in Bothalia, 15(3-4): 489 (1985): *Boeckhia laevigata*.
- montanus* E.E. Esterhuysen in Bothalia, 15(3-4): 489 (1985)—South Africa (Cape Province).
- procurrens* E.E. Esterhuysen in Bothalia, 15(3-4): 490 (1985)—South Africa (Cape Province).
- squamosus* E.E. Esterhuysen in Bothalia, 15(3-4): 492 (1985)—South Africa (Cape Province).

**HYPOESTES** (Acanthac.).

- floribunda*  
*var. cinerea* R.M. Barker in J. Adelaide Bot. Gard., 9: 214 (1986)—Australia (N. Terr., Queensland).
- var. neoguineensis* R.M. Barker in J. Adelaide Bot. Gard., 9: 211 (1986)—New Guinea (Papua New Guinea).
- var. suaveolens* (Gardner) R.M. Barker in J. Adelaide Bot. Gard., 9: 223 (1986): H. *suaveolens*.
- var. varia* R.M. Barker in J. Adelaide Bot. Gard., 9: 216 (1986)—Australia (N. Terr., W. Australia).
- var. velutina* R.M. Barker in J. Adelaide Bot. Gard., 9: 209 (1986)—Australia (Queensland).
- var. yorkensis* R.M. Barker in J. Adelaide Bot. Gard., 9: 212 (1986)—Australia (Queensland).
- forskaolii* (Vahl) R. Brown in H. Salt, Boy. Abyss., Appendix: lxiii (1814), as 'förskaöl'; cf. D.J. Mabberley in Bot. Macaronesica, 6: 64 (1980), as 'förskaöl': *Justicia forskaolii*.
- sparsiflora* R.M. Barker in J. Adelaide Bot. Gard., 9: 197 (1986)—Australia (W. Australia).

**HYPOGOMPHIA** (Labiata.).

- purpurea* (Regel) Vved. ex T.F. Kochkareva in Fl. Tadzhikskoi SSR, 8: 171 (1986): H. *turkestanica* δ. *purpurea*.

**HYPOXIS** (Hypoxidac.).

- arillacea* R.J.F. Henderson in Fl. Australia, 45: 487, 181 (1987)—Australia (Queensland).
- exilis* R.J.F. Henderson in Fl. Australia, 45: 487, 182 (1987)—Australia (Victoria, New South Wales).
- gardneri* R.J.F. Henderson in Fl. Australia, 45: 487, 190 (1987)—Australia (W. Australia).
- glabella*  
*var. leptantha* (Benth.) R.J.F. Henderson in Fl. Australia, 45: 488 (1987): H. *leptantha*.
- gracilis* J.G.C. Lehmann in Sem. Hort. Bot. Hamb.: 17 (1826)—Locality not stated.†
- hygrometrica*  
*var. splendida* R.J.F. Henderson in Fl. Australia, 45: 488, 184 (1987)—Australia (Victoria, New South Wales).
- var. villosipala* R.J.F. Henderson in Fl. Australia, 45: 488, 184 (1987)—Australia (Victoria, Queensland, New South Wales), Tasmania.
- limicola* B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 45(2): 188 (1988 publ. 1989)—South Africa (Transvaal), Swaziland.
- lucens* R. McVaugh, Fl. Novo-Galiciana, 15: 225 (1989)—Mexico.
- nervosa* R.J.F. Henderson in Fl. Australia, 45: 489, 181 (1987)—Australia (W. Australia, N. Terr.).
- occidentalis*  
*var. quadriloba* (F. Muell.) R.J.F. Henderson in Fl. Australia, 45: 489 (1987): H. *glabella* var. *quadriloba*.

**HYPOXIS** :-

- parvula*  
*var. albiflora* B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 45(2): 190 (1988 publ. 1989)—South Africa (Natal).
- pratensis*  
*var. tuberculata* R.J.F. Henderson in Fl. Australia, 45: 489, 185 (1987)—Australia (Queensland, New South Wales).
- spicata* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 326 (1784)—Japan.†
- vaginata*  
*var. brevistigmata* R.J.F. Henderson in Fl. Australia, 45: 490, 189 (1987)—Australia (Victoria, New South Wales), Tasmania.

**HYPTIDENDRON** R.M. Harley in Bot. J. Linn.

- Soc., 98(2): 90 (1988). LABIATAE.
- sect. Umbellaria* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis* sect. *Umbellaria*.
- amethystoides* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis amethystoides*.
- arborescens* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis arborescens*.
- arbusculum* (Epling) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis arbuscula*.
- aspermum* (Sprengel) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Cordia asperma*.
- canum* (Pohl ex Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis cana*.
- caudatum* (Epling & Jativa) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis caudata*.
- clausenii* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis clausenii*.
- conspersum* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis conspersa*.
- dictiocalyx* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis dictiocalyx*.
- glutinosa* (Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis glutinosa*.
- leucophyllum* (Pohl ex Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis leucophylla*.
- rhabdocalyx* (Mart. ex Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis rhabdocalyx*.
- rondonicum* (R. Harley) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis rondonica*.
- unilaterale* (Epling) R.M. Harley in Bot. J. Linn. Soc., 98(2): 93 (1988): *Hyptis unilaterale*.
- vauthieri* (Briq.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis vauthieri*.
- vepretorum* (Mart. ex Benth.) R.M. Harley in Bot. J. Linn. Soc., 98(2): 94 (1988): *Hyptis vepretorum*.

**HYPTIS** (Labiata.).

- sect. Pachyphyllae* (Epling) R.M. Harley in Kew Bull., 41(4): 996 (1986): H. subsect. *Pachyphyllae*.
- carvalhoi* R.M. Harley in Kew Bull., 41(1): 141 (1986)—Brazil.
- fasciculata*  
*subsp. fastigiata* (Benth.) R.M. Harley in Fl. Illustr. Catar., 1 (Labiadas: gen. 1): 14 (1985): H. *fastigiata*.
- guanchezii* R.M. Harley in Ann. Missouri Bot. Gard., 76(4): 1169 (1989)—Venezuela.
- hagei* R.M. Harley in Kew Bull., 41(1): 145 (1986)—Brazil.
- huberi* R.M. Harley in Kew Bull., 41(1): 147 (1986)—Venezuela.
- imbricatiformis* R.M. Harley in Kew Bull., 41(4): 1000 (1986)—Brazil.
- rondonica* R.M. Harley in Kew Bull., 41(1): 141 (1986)—Brazil.

**HYSSARIA** A.A. Kolakovskii in Soobshch. Akad.

- Nauk Gruz. SSR, 103(1): 151 (1981). CAMPANULACEAE.
- lehmanniana* (Bunge) A.A. Kolakovskii in Soobshch. Akad. Nauk Gruz. SSR, 103(1): 151 (1981): *Campanula lehmanniana*.

**HYSSOPUS** (Labiata.).

- majae* A.P. Khokhryakov in Byull. Mosk. Obshch. Ispyt. Priro., Biol., 94(6): 98 (1989)—U.S.S.R. (Caucasus).

## I

**IBERIS** (Crucif.).

## ciliata

- var. *carnosa* (Willd.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 135 (1990): I. *carnosa*.  
 var. *hegelmaieri* (Willk.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 135 (1990): I. *hegelmaieri*.  
 subsp. *lagascana* (DC.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 136 (1990): I. *lagascana*.  
 subsp. *pruitii* (Tineo) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 135 (1990): I. *pruitii*.

## saxatilis

- subsp. *pseudosaxatilis* (Emberger) M. Moreno & M. Velasco in *Taxon*, 35(1): 93 (1986): I. *sempervirens* subsp. *pseudosaxatilis*.

**ICACINA** (Icacinac.).

## oliviformis

- var. *pubescens* (Boutique) J.M. Fay in *Kew Bull.*, 42(2): 464 (1987): I. *senegalensis* var. *pubescens*.

**ICACOREA** (Myrsinac.).

- albipetala* C.L. Lundell in *Phytologia*, 63(6): 465 (1987)—Panama.  
*duripetala* C.L. Lundell in *Phytologia*, 63(6): 464 (1987)—Panama.  
*hatoana* C.L. Lundell in *Phytologia*, 63(6): 464 (1987)—Panama.  
*lajana* C.L. Lundell in *Phytologia*, 63(6): 465 (1987)—Mexico.

**ICHNANTHUS** (Gramin.).

## pallens

- var. *majus* (Nees) M.T. Stieber in *Syst. Bot.*, 12(2): 207 (1987): *Panicum pallens* var. *majus*.

**ICHNOCARPUS** (Apocynac.).

- baillonii* (Pierre ex Spire) Trần Đình Lý in *Feddes Repert.*, 97(9-10): 675 (1986): *Micrechites baillonii*.

**IFLOGA** (Compos.).

- labillardieri* (Pampan.) A.-A. Fayed & M. Zareh in *Willdenowia*, 17(1-2): 122 (1988): I. *spicata* var. *labillardieri*.  
 subsp. *hadidii* A.-A. Fayed & M. Zareh in *Willdenowia*, 17(1-2): 122 (1988)—Egypt.

**ILEX** (Aquifoliac.).

- ser. *Rivulares* Y.K. Li in *Acta Phytotax. Sin.*, 24(5): 399 (1986).  
 sect. *Stigmatophorae* (Loes.) T. Yamazaki in *J. Jap. Bot.*, 62(6): 191 (1987): I. subsect. *Stigmatophorae*.  
*abscondita* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 320 (1988)—Venezuela.  
*acutidenticulata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 321 (1988)—Venezuela.  
*altiplana* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 321 (1988)—Venezuela.  
*ambigua*  
 f. *mollis* (A. Gray) C.F. Reed in *Phytologia*, 67(6): 453 (1989): I. *mollis*.  
*aracamuniana* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 946 (1989)—Venezuela.  
*attenuata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 322 (1988)—Brazil.  
*blancheana* W.S. Judd in *Rhodora*, 88(856): 436 (1986)—Hispaniola (Haiti).  
*brevipedicellata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 322 (1988)—Venezuela.  
*cardonae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 323 (1988)—Venezuela.  
*cheniana* T.R. Dudley in *Holly Soc. J.*, 6(4): 15 (1988), nom. nov.: I. *congesta* H.W. Li ex Y.R. Li.  
*ciliolata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 323 (1988)—Venezuela.  
*crenata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*dabieshanensis* K. Yao & M.B. Deng in *Acta Phytotax. Sin.*, 25(4): 324 (1987)—China.  
*davidsei* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 324 (1988)—Venezuela.  
*emarginata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*fargesii*  
 var. *angustifolia* C.Y. Chang in *Fl. Tsinlingensis*, 1(3): 451, 197 (1981)—China.

**ILEX** :-

- var. *brevifolia* S. Andrews in *Kew Mag.*, 3(3): 134 (1986)—China.  
 subsp. *melanotricha* (Merr.) S. Andrews in *Kew Mag.*, 3(3): 134 (1986): I. *melanotricha*.  
 var. *parvifolia* (S.Y. Hu) S. Andrews in *Kew Mag.*, 3(3): 134 (1986): I. *franchetiana* var. *parvifolia*.  
*glabella* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 324 (1988)—Venezuela.  
*gransabanensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 325 (1988)—Venezuela.  
*guaiquinimae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 325 (1988)—Venezuela.  
*holstii* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 326 (1988)—Venezuela.  
*ignicola* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 326 (1988)—Venezuela.  
*integra* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*jauaensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 327 (1988)—Venezuela.  
*latifolia* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*leiboensis* Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 117 (1988)—China.  
*liesneri* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 94 (1987)—Venezuela.  
*longipilosa* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 327 (1988)—Venezuela.  
*magniflora*  
 var. *minor* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 328 (1988)—Venezuela.  
*marahuacae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 328 (1988)—Venezuela.  
*maximowicziana*  
 var. *kanehirae* (Yamamoto) T. Yamazaki in *J. Jap. Bot.*, 62(6): 191 (1987): I. *crenata* var. *kanehirae*.  
*mertensii*  
 var. *beechei* (Loes.) T. Yamazaki in *J. Jap. Bot.*, 62(2): 64 (1987): I. *integra* var. *beechei*.  
*paruensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 330 (1988)—Venezuela.  
*paujensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 330 (1988)—Venezuela.  
*pingheensis* C.J. Tseng in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 29 (1989)—China.  
*polita* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 331 (1988)—Venezuela.  
*rivularis* Y.K. Li in *Acta Phytotax. Sin.*, 24(5): 399 (1986)—China.  
*rotunda* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*rugosa*  
 var. *hondoensis* T. Yamazaki in *J. Jap. Bot.*, 62(5): 144 (1987)—Japan.  
*serrata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 168 (1784)—Japan.†  
*spathulata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 331 (1988)—Venezuela.  
*suichangensis* C.Z. Zheng in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 81 (1988)—China.  
*summa* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 332 (1988)—Venezuela.  
*tadiandamolensis* K.R. Keshava Murthy, S.N. Yoganarasimhan & K. Vasudevan Nair in *Current Sci.*, 56(6): 270 (1987), as 'tadiandamolense'—India.  
*tectonica* W.J. Hahn in *Ann. Missouri Bot. Gard.*, 75(2): 733 (1988)—Belize, Honduras, Nicaragua.  
*ternatiflora* (C.H. Wright) R.A. Howard in *Brittonia*, 38(1): 15 (1986): *Quiina ternatiflora*.  
*tetramera*  
 var. *glabra* (C.Y. Wu ex Y.R. Li) T.R. Dudley in *Holly Soc. J.*, 6(4): 28 (1988): I. *tephrophylla* var. *glabra*.  
*walsinghamii* R.A. Howard in *Brittonia*, 38(1): 14 (1986), nom. nov.: I. *wrightii* Loes.  
*wuiana* T.R. Dudley in *Holly Soc. J.*, 6(4): 14 (1988), nom. nov.: I. *mamillata* C.Y. Wu ex Y.R. Li.  
*wurdackiana* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 332 (1988)—Venezuela.

**ILLICIUM** (Illiciac.).

## philippinense

- var. *daibuese* (Yamamoto) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 235 (1985): I. *daibuese*.

**ILLIGERA** (Hernandiace.).

- gammiei* M.P. Nayar. & G.S. Giri in *Bull. Bot. Surv. India*, 25(1-4): 249 (1983 publ. 1985)—Assam.

**IMBRALYX** R. Geesink, *Scala Millettiearum* (Leiden Bot. Ser., 8): 95 (1984). **LEGUMINOSAE.**

- albiflorus* (Prain) R. Geesink, *Scala Millettiearum* (Leiden Bot. Ser., 8): 95 (1984): *Millettia albiflora*.

**IMPATIENS** (Balsaminac.).

- acehensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 78 (1989)—Sumatra.  
*alpicola* Y.L. Chen & Y.Q. Lu in *Acta Bot. Yunnanica*, 12(1): 25 (1990)—China.  
*arriensii* (Zoll.) T. Shimizu in *Acta Phytotax. Geobot.*, 38: 53 (1987), as 'alliensii': *Semeiocardium arriensii*.  
 subsp. *harmandii* (Hook. f.) C. Grey-Wilson in *Kew Bull.*, 44(1): 112 (1989): I. *harmandii*.  
*arunensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 65 (1989)—Nepal.  
*buennemeijeri* C. Grey-Wilson in *Kew Bull.*, 44(1): 92 (1989)—Sumatra.  
*calendulina* C. Grey-Wilson in *Kew Bull.*, 44(1): 104 (1989)—Sumatra.  
*chekiangensis* Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 4 (1988)—China.  
*chloroxantha* Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 8 (1988)—China.  
*conchibracteata* Y.L. Chen & Y.Q. Lu in *Acta Bot. Yunnanica*, 12(1): 26 (1990)—China.  
*dewildeana* C. Grey-Wilson in *Kew Bull.*, 44(1): 87 (1989)—Sumatra.  
 var. *parviflora* C. Grey-Wilson in *Kew Bull.*, 44(1): 88 (1989)—Sumatra.  
*diepenhorstii*  
 var. *brevicornu* C. Grey-Wilson in *Kew Bull.*, 44(1): 84 (1989)—Sumatra.  
 var. *intermedia* C. Grey-Wilson in *Kew Bull.*, 44(1): 84 (1989)—Sumatra.  
*elephanticeps* C. Grey-Wilson in *Kew Bull.*, 44(1): 95 (1989)—Sumatra.  
*fenghwaiana* Y.L. Chen in *Acta Phytotax. Sin.*, 27(5): 395 (1989)—China.  
*floretii* N. Halle & A.M. Louis in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(1): 12 (1989)—Gabon.  
*furfuracea* C. Grey-Wilson in *Kew Bull.*, 44(1): 90 (1989)—Sumatra.  
*gorepaniensis* C. Grey-Wilson in *Kew Bull.*, 44(4): 715 (1989)—Nepal.  
*hainanensis* Y.L. Chen in *Guihaia*, 7(1): 9 (1987)—Hainan.  
*harae* H. Ohba & S. Akiyama in *J. Jap. Bot.*, 62(12): 368 (1987), as 'harai'—Nepal.  
 var. *micrantha* (Hara) H. Ohba & S. Akiyama in *J. Jap. Bot.*, 62(12): 369 (1987): I. *bicornuta* var. *micrantha*.  
*hunanensis* Y.L. Chen in *Acta Phytotax. Sin.*, 27(5): 402 (1989)—China.  
*jinggangensis* Y.L. Chen in *Acta Phytotax. Sin.*, 27(5): 399 (1989)—China.  
*kaliensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 65 (1989)—India.  
*kathmanduensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 119 (1989)—Nepal.  
*lampungensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 73 (1989)—Sumatra.  
*lateristachys* Y.L. Chen & Y.Q. Lu in *Acta Bot. Yunnanica*, 12(1): 22 (1990)—China.  
*minor* (DC.) C.R. Suresh in *D.H. Nicolson, C.R. Suresh & K.S. Manilal, Interpret. Van Rheedea's Hort. Malab.*: 71 (1988): *Balsamina minor*.  
*pilosivittata* C. Grey-Wilson in *Kew Bull.*, 44(1): 85 (1989)—Sumatra.  
*platyspala* Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 6 (1988)—China.  
*pseudoperezii* C. Grey-Wilson in *Kew Bull.*, 44(1): 95 (1989)—Sumatra.  
 subsp. *bengkulensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 97 (1989)—Sumatra.  
 subsp. *ophirensis* C. Grey-Wilson in *Kew Bull.*, 44(1): 97 (1989)—Sumatra.  
*pyrrhotricha*  
 var. *grandis* C. Grey-Wilson in *Kew Bull.*, 44(1): 78 (1989)—Sumatra.

**IMPATIENS** :-

- rectirostrata Y.L. Chen & Y.Q. Lu in *Acta Bot. Yunnanica*, 12(1): 28 (1990)—China.  
 rhombifolia Y.Q. Lu & Y.L. Chen in *Acta Bot. Yunnanica*, 12(1): 27 (1990)—China.  
 rubriflora C. Grey-Wilson in *Kew Bull.*, 44(1): 105 (1989)—Sumatra.  
 sidikalangensis C. Grey-Wilson in *Kew Bull.*, 44(1): 89 (1989)—Sumatra.  
 singgalangensis C. Grey-Wilson in *Kew Bull.*, 44(1): 79 (1989)—Sumatra.  
 sinlumiensis C. Grey-Wilson in *Kew Bull.*, 44(4): 714 (1989)—Burma.  
 steensii C. Grey-Wilson in *Kew Bull.*, 44(1): 103 (1989)—Sumatra.  
 tapanuliensis C. Grey-Wilson in *Kew Bull.*, 44(1): 75 (1989)—Sumatra.  
 tienmushanica Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 9 (1988)—China.  
 tilo (DC.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rhee's Hort. Malab.*: 71 (1988): Balsamina tilo.  
 undulata Y.L. Chen & Y.Q. Lu in *Acta Bot. Yunnanica*, 12(1): 23 (1990)—China.  
 vitellina C. Grey-Wilson in *Kew Bull.*, 44(1): 73 (1989)—Sumatra.  
 wuyuanensis Y.L. Chen in *Acta Phytotax. Sin.*, 27(5): 397 (1989)—China.

**INCARVILLEA** (Bignoniaceae).

- dissectifolia Q.S. Zhao in *Acta Phytotax. Sin.*, 26(1): 78 (1988)—China.  
 mairei  
   var. multifoliolata (C.Y. Wu & W.C. Yin) C.Y. Wu & W.Q. Yin in *Fl. Reipubl. Popul. Sin.*, 69: 45 (1990): I. mairei f. multifoliolata.  
 sinensis  
   var. przewalskii (Batalin) C.Y. Wu & W.Q. Yin in *Fl. Reipubl. Popul. Sin.*, 69: 36 (1990): I. variabilis var. przewalskii.

**INDIGOFEA** (Legumin.).

- subsect. Bracteatae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 165 (1989).  
 subsect. Chaetodontae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 166 (1989).  
 subsect. Decorae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 164 (1989).  
 subsect. Hancockianae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 166 (1989).  
 subsect. Henryanae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 165 (1989).  
 subsect. Pendulae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 163 (1989).  
 subsect. Pseudotinctoria Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 167 (1989).  
 subsect. Scabridae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 167 (1989).  
 subsect. Simplicifoliae (Harv.) Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 168 (1989): I. ser. Simplicifoliae.  
 subsect. Squamatae Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 165 (1989).  
 subsect. Trifoliolatae (Harv.) Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 168 (1989): I. ser. Trifoliolatae.  
 amoxylum (DC.) R.M. Polhill in *Kew Bull.*, 41(2): 343 (1986): Bremontiera amoxylum.  
 ancistrocarpa M. Thulin in *Nordic J. Bot.*, 8(5): 466 (1989)—Kenya.  
 bancroftii P.G. Wilson in *J. Adelaide Bot. Gard.*, 10(1): 125 (1987)—Australia (Queensland).  
 basedowii  
   subsp. longibractea (J.M. Black) P.G. Wilson in *J. Adelaide Bot. Gard.*, 10(1): 121 (1987): I. longibractea.  
 bungeana  
   var. nana L.C. Wang & X.G. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 47 (1990)—China.  
 chitralensis M. Sanjappa in *Bull. Bot. Surv. India*, 28(1-4): 228 (1986 publ. 1988)—India.  
 constricta  
   var. deorum R. McVaugh, *Fl. Novo-Galiciana*, 5: 540 (1987)—Mexico.

**INDIGOFEA** :-

- curvirostrata M. Thulin in *Nordic J. Bot.*, 8(5): 467 (1989)—Ethiopia.  
 decora  
   var. chalara (Craib) Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 164 (1989): I. chalara.  
   var. cooperi (Craib) Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 164 (1989): I. cooperi.  
   var. ichangensis (Craib) Y.Y. Fang & C.Z. Zheng in *Acta Phytotax. Sin.*, 27(3): 164 (1989): I. ichangensis.  
 gangetica M. Sanjappa in *Bull. Bot. Surv. India*, 28(1-4): 225 (1986 publ. 1988)—India.  
 gibbergensis C.H. Stirton & J.K. Jarvie in *Bothalia*, 17(1): 2 (1987)—South Africa (Cape Province).  
 glandulosa  
   var. sykesii Baker ex B.K. Vijay Kumar & N. Ramayya in *Curr. Sci.*, 52(9): 429 (1983), isonym of I. glandulosa var. sykesii Baker 1876—India.  
 hebeptala  
   f. glabra (Ali) H. Ohashi in *Enum. Fl. Pl. Nepal*, 2: 123 (1979): I. hebeptala var. glabra.  
 helmsii P.G. Wilson in *J. Adelaide Bot. Gard.*, 10(1): 119 (1987), nom. nov.: I. uncinata Ewart & Kerr.  
 hiranensis M. Thulin in *Nordic J. Bot.*, 8(5): 469 (1989)—Somali Republic.  
 incompta R. McVaugh, *Fl. Novo-Galiciana*, 5: 542 (1987)—Mexico.  
 ionii J.K. Jarvie & C.H. Stirton in *Bothalia*, 17(1): 3 (1987)—South Africa (Cape Province).  
 karinensis M. Thulin in *Nordic J. Bot.*, 8(5): 469 (1989)—Somali Republic.  
 kasinii K. Boonyamalik in *Thai Forest Bull., Bot.*, 16: 207 (1986)—Thailand.  
 kucharii M. Thulin in *Nordic J. Bot.*, 8(5): 471 (1989)—Somali Republic.  
 linifolia  
   subsp. campbellii (Wt.) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 206 (1989): I. campbellii.  
 longicauda N.V. Thuân in *Fl. Cambodge, Laos & Vietnam*, 23: 78 (1987)—Vietnam.  
 neosericeopetala P.C. Li in *Acta Bot. Yunnanica*, 11(3): 285 (1989)—China.  
 nugalisensis M. Thulin in *Nordic J. Bot.*, 8(5): 471 (1989)—Somali Republic.  
 pellucida Gillett & M. Thulin in *Nordic J. Bot.*, 8(5): 473 (1989)—Somali Republic/Kenya border.  
 psammophila Peter G. Wilson in *Telopea*, 3(4): 597 (1990)—Australia (New South Wales, Queensland, S. Australia, W. Australia, N. Terr.).  
 pseudoevansii O.M. Hilliard & B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 208 (1986)—South Africa (Natal).  
 rubroglandulosa G. Germishuizen in *Bothalia*, 17(1): 33 (1987)—South Africa (Natal, Cape Province).  
 sabulosa M. Thulin in *Nordic J. Bot.*, 8(5): 474 (1989)—Somali Republic, Ethiopia.  
 santapau M. Sanjappa in *Bull. Bot. Surv. India*, 25(1-4): 202 (1983 publ. 1985)—India.  
 sessilis M. Thulin in *Nordic J. Bot.*, 8(5): 475 (1989)—Somali Republic.  
 suffruticosa  
   var. canescens (J.A. Schmidt) W. Lobin in *Courier Forschungsinst. Senckenberg*, 81: 118 (1986): I. anil var. canescens.  
 tenuipes R.M. Polhill in *Kew Bull.*, 41(2): 345 (1986)—Madagascar, Réunion.  
 tenuirostris M. Thulin in *Nordic J. Bot.*, 8(5): 476 (1989)—Somali Republic.  
 thesioides J.K. Jarvie & C.H. Stirton in *Bothalia*, 16(2): 230 (1986)—South Africa (Cape Province).  
 trifoliata  
   var. glandulifera (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 348 (1987): I. glandulifera.  
 trita  
   var. keyensis (Small) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 68(6): 423 (1990): I. keyensis.  
   var. marginulata (Grah. ex Wt. & Arn.) M. Sanjappa in *Bull. Bot. Surv. India*, 26(1-2): 118 (1984 publ. 1985): I. marginulata.  
   var. purandharensis M. Sanjappa in *Bull. Bot. Surv. India*, 26(1-2): 117 (1984 publ. 1985)—India.  
 verruculosa P.G. Wilson in *J. Adelaide Bot. Gard.*, 10(1): 123 (1987)—Australia (N. Terr.).

**INDOCALAMUS** (Gramin.).

- hirsutissimus Z.P. Wang & P.X. Zhang in *J. Bamboo Res.*, 4(1): 44 (1985)—China.  
 var. glabrifolius Z.P. Wang & N.X. Ma in *J. Bamboo Res.*, 4(1): 45 (1985)—China.  
 inaequilaterus W.T. Lin & Z.M. Wu in *Acta Phytotax. Sin.*, 26(2): 147 (1988)—China.  
 pumilus Q.H. Dai & C.F. Huang in *Acta Phytotax. Sin.*, 24(5): 394 (1986)—Cultivation.  
 vulgatus W.T. Lin & X.B. Ye in *Acta Phytotax. Sin.*, 26(3): 233 (1988)—China.

**INDOPOLYSOLEIA** (Rubiaceae).

- burmanica D.B. Deb & R.C. Rout in *Kew Bull.*, 45(2): 339 (1990)—Burma.

**INDOSASA** (Gramin.).

- angustifolia W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 225 (1988)—China.  
 laotica (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 365 (1989): Arundinaria laotica.  
 lunata W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 226 (1988)—China.  
 macula W.T. Lin & Z.M. Wu in *Acta Phytotax. Sin.*, 26(3): 227 (1988)—China.  
 sat (Balansa) Nguyen To Quyên in *Bot. Zhurn.*, 75(2): 225 (1990): Arundinaria sat.  
 singulispicula T.H. Wen in *J. Bamboo Res.*, 7(1): 29 (1988)—China.

**INEZIA** (Compos.).

- speciosa F. Brusse in *Bothalia*, 19(1): 27 (1989)—South Africa (Transvaal).

**INGA** (Legumin.).

- amazonica L. Cárdenas in *Ernstia*, 51: 1 (1989), nom. nov.: I. speciosa Benth.  
 var. bracteifera (Ducke) L. Cárdenas in *Ernstia*, 51: 1 (1989): I. speciosa var. bracteifera.  
 var. lomatophylla (Benth.) L. Cárdenas in *Ernstia*, 51: 1 (1989): I. speciosa var. lomatophylla.  
 var. membranacea (Ducke) L. Cárdenas in *Ernstia*, 51: 1 (1989): I. speciosa var. membranacea.  
 andersonii R. McVaugh, *Fl. Novo-Galiciana*, 5: 178 (1987)—Mexico.  
 faeculifera W. Hamilton, *Circ. Desir. W. Ind. Pl.*: 1 (1824); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 65 (1980)—Hispaniola.  
 hedgerae G.P. Lewis in *Kew Bull.*, 43(4): 707 (1988)—Ecuador.  
 jefensis R.L. Liesner & W.G. D'Arcy in *Ann. Missouri Bot. Gard.*, 75(1): 385 (1988)—Panama.  
 neblinensis L. Cárdenas & G. De Martino in *Ann. Missouri Bot. Gard.*, 76(4): 1179 (1989)—Venezuela.  
 spiralis R.L. Liesner & W.G. D'Arcy in *Ann. Missouri Bot. Gard.*, 75(1): 385 (1988)—Panama.

**INULA** (Compos.).

- bocconeae A. Soldano in *Atti Soc. Ital. Sci. Nat. Mus. Civ. Stor. Nat. Milano*, 127(3-4): 217 (1986), nom. nov.: I. verbascifolia (Willd.) Hausskn.  
 britannica  
   subsp. hispanica (Pau) O. de Bolòs & J. Vigo in *Fontqueria*, 14: 9 (1987): I. hispanica.  
 conyza  
   subsp. gutierrezii (Pau) P. Galán Cela in *Fontqueria*, 27: 9 (1989): I. gutierrezii.  
 dubia C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 767 (1784)—Japan.†  
 helvetica  
   var. brevifolia (Willk. & Costa ex Willk.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): I. vaillantii var. brevifolia.  
 hissarica R.M. Nabiev in *Uzb. Bot. Zhurn.*, 1990(1): 40 (1990)—U.S.S.R. (Middle Asia).  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 767 (1784)—Japan.†  
   f. giraldii (Diels) J.Q. Fu in *Fl. Tsinlingensis*, 1(5): 207 (1985): I. giraldii.  
 macrolepis A. Bunge, *Beitr. Fl. Russl.*: 154 (1852)—U.S.S.R. (Middle Asia).†  
 macrophylla C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 145 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 scaberrima (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 107 (1916–1920 publ. 1926): I. squarrosa var. scaberrima.



**INULA** :-

sechmenii *P. Hartvig & A. Strid in Bot. Jahrb.*, 108(2-3): 307 (1987)—Turkey.

**INULANTHERA** M. Källersjö in *Nordic J. Bot.*, 5(6):

539 (1985 publ. 1986). **COMPOSITAE**.  
brownii (*Hochreut.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986), without basionym ref.: *Athanasia brownii*.  
calva (*Hutch.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Athanasia calva*.  
coronopifolia (*Harv.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Athanasia coronopifolia*.  
dregeana (*DC.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Hymenolepis dregeana*.  
leucoclada (*DC.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Hymenolepis leucoclada*.  
montana (*Wood*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986), incorrect basionym page (10 in error for 171): *Athanasia montana*.  
nuda M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986), nom. nov.: *Pentzia schistostephioides Taylor*.  
schistostephioides (*Hiern*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Athanasia schistostephioides*.  
thodei (*Bolus*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Athanasia thodei*.  
tridens (*Oliv.*) M. Källersjö in *Nordic J. Bot.*, 5(6): 540 (1985 publ. 1986): *Athanasia tridens*.

**IOCHROMA** (Solanac.).

confertiflorum (*Miers*) A.T. Hunziker in *Kurtziana*, 15: 100 (1982): *Acnistus confertiflorus*.  
umbellatum (*Ruiz & Pavon*) A.T. Hunziker in *Kurtziana*, 15: 101 (1982): *Lycium umbellatum*.  
umbellatum (*R. & P.*) W.G. D'Arcy in *Solanaceae Newsl.*, 2(4): 21 (1986), isonym see A.T. Hunziker in *Kurtziana*, 15: 101 (1982): *Lycium umbellatum*.

**IONIDIUM** (Violac.).

marcucii E.N. Bancroft in *Jam. Phys. J.*, 2: 338 (1835); cf. *D.J. Mabberley in Taxon*, 30(1): 10 (1981)—?Jamaica.

**IPOMOEA** (Convolvulac.).

antonschmidii R.W. Johnson in *Austrobaileya*, 2(3): 217 (1986)—Australia (Queensland).  
argillicola R.W. Johnson in *Austrobaileya*, 2(3): 217 (1986)—Australia (Queensland, N. Terr.).  
bampsiana *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 373 (1986)—Zaire.  
barteri  
var. longisepala *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 380 (1986)—Zaire.  
batatas  
var. apiculata (*Martens & Galeotti*) J.A. McDonald & D.F. Austin in *Brittonia*, 42(2): 118 (1990): I. apiculata.  
bracteata  
var. viridibractea A. McDonald in *Brenesia*, 28: 60 (1987 publ. 1989)—Mexico.  
chamelana J.A. McDonald in *Biotica*, 12(3): 217 (1987)—Mexico.  
classeniana *Huber, Cat. Gén. 1870 & 1871*: 7 (1870); cf. *D.J. Mabberley in Taxon*, 34(3): 452 (1985)—Locality not stated.  
cordatotriloba  
var. australis (*O'Donell*) D.F. Austin in *Taxon*, 37(1): 185 (1988): I. trichocarpa var. australis.  
var. torreyana (*Gray*) D.F. Austin in *Taxon*, 37(1): 185 (1988): I. trifida var. torreyana.  
deccana  
var. lobata (*Clarke*) S.C. Johri in *Bull. Bot. Surv. India*, 26(3-4): 237 (1984 publ. 1986): I. bracteata var. lobata.  
duvigneaudii *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 374 (1986)—Zaire.  
fissifolia (*McPherson*) J.E. Eckenwalder in *Brittonia*, 41(1): 79 (1989): *Quamoclit fissifolia*.  
fulva *Bertol., Hort. Bot. Bonon.*, 1826: 5 (1826) et *Giorn. Acad.*, 29: 343 (1826); cf. *D.J. Mabberley in Taxon*, 32(1): 82 (1983)—Locality not stated.  
hirtifolia R.C. Fang & S.H. Huang in *Fl. Xizangica*, 4: 28 (1985)—Xizang.

**IPOMOEA** :-

lapathifolia  
subsp. shabensis *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 378 (1986)—Zaire.  
linosepala  
subsp. kundelungensis *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 379 (1986)—Zaire.  
subsp. upembensis *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 380 (1986)—Zaire.  
lottiae J.A. McDonald in *Biotica*, 12(3): 219 (1987)—Mexico.  
marabensis D.F. Austin & R. de S. Secco in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 188 (1988)—Brazil.  
marginata (*Desr.*) H. Manitz in *Feddes Repert.*, 85(9-10): 638 (1974): *Convolvulus marginatus*.  
marginata (*Desr.*) B. Verdcourt in *Kew Bull.*, 42(3): 658 (1987), isonym see H. Manitz in *Feddes Repert.*, 85(9-10): 638 (1974): *Convolvulus marginatus*.  
miquihuanensis J.A. McDonald in *Brittonia*, 39(1): 110 (1987)—Mexico.  
oculata *Huber, Cat. Gén. 1871 & 1872*: 3 (1871); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.  
papillosa *Bertol., Hort. Bot. Bonon.*, 1826: 5 (1826) et *Giorn. Acad.*, 29: 343 (1826); cf. *D.J. Mabberley in Taxon*, 32(1): 82 (1983)—Brazil.  
polpha R.W. Johnson in *Austrobaileya*, 2(3): 220 (1986)—Australia (Queensland).  
praematura J.E. Eckenwalder in *Brittonia*, 41(1): 75 (1989)—Windward Is., Trinidad, Guyana, Colombia.  
reflexisepala *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 375 (1986)—Zaire.  
robysiana *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 376 (1986)—Zaire.  
rotundifolia (*Schrank*) *Germann, Verz. Pfl. Bot. Gart. Kais. Univ. Dorpat*, 1807: 75 (1807); cf. *D.J. Mabberley in Taxon*, 32(1): 85 (1983): *Convolvulus rotundifolius*.  
saintronanensis R.W. Johnson in *Austrobaileya*, 2(3): 222 (1986)—Australia (Queensland).  
schajiesii *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 554 (1988)—Zaire.  
tabascana J.A. McDonald & D.F. Austin in *Brittonia*, 42(2): 116 (1990)—Mexico.  
truncata *Roezl in Deut. Gärtner-Zeit.*, 1881; *Belgique horticole*, 33: 135 (1883); cf. *D.J. Mabberley in Taxon*, 34(3): 454 (1985)—Locality not stated.  
verdcourtiana *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 377 (1986)—Zaire.  
zimmermanii J.A. McDonald in *Brittonia*, 39(1): 108 (1987)—Mexico.

**IPOMOPSIS** (Polemoniace.).

aggregata  
subsp. carmenensis *J. Henrickson in Aliso*, 11(4): 591 (1987)—Mexico.  
subsp. collina (*Greene*) D.H. Wilken & S.T. Allard in *Syst. Bot.*, 11(1): 11 (1986): *Callisteris collina*.  
subsp. weberi V. Grant & D.H. Wilken in *Bot. Gaz.*, 147(3): 367 (1986)—U.S.A. (Colorado, Idaho).  
pringlei (*Gray*) J. Henrickson in *Aliso*, 11(4): 594 (1987): *Gilia pringlei*.  
sancti-spiritus D.H. Wilken & R. Fletcher in *Brittonia*, 40(1): 48 (1988)—U.S.A. (New Mexico).  
tenuituba  
subsp. latiloba V. Grant & D.H. Wilken in *Bot. Gaz.*, 149(4): 446 (1988)—U.S.A. (Arizona, Utah).  
subsp. macrosiphon (*Kearney & Peebles*) V. Grant & D.H. Wilken in *Bot. Gaz.*, 149(4): 447 (1988): *Gilia aggregata* var. macrosiphon.  
wendtii *J. Henrickson in Aliso*, 11(4): 589 (1987)—Mexico.

**IRANECIO** B. Nordenstam in *Fl. Iran.*, 164: 53 (1989). **COMPOSITAE**.

sect. Synotoides B. Nordenstam in *Fl. Iran.*, 164: 57 (1989).  
elbrusensis (*Boiss.*) B. Nordenstam in *Fl. Iran.*, 164: 55 (1989): *Senecio elbrusensis*.  
oligolepis (*Boiss.*) B. Nordenstam in *Fl. Iran.*, 164: 54 (1989): *Senecio oligolepis*.

**IRANECIO** :-

othonnae (*M.B.*) B. Nordenstam in *Fl. Iran.*, 164: 58 (1989): *Senecio othonnae*.  
paucilobus (*DC.*) B. Nordenstam in *Fl. Iran.*, 164: 56 (1989): *Senecio paucilobus*.

**IRESINE** (Amaranthac.).

diffusa  
var. macrophylla (*Griseb.*) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 12(1): 88 (1990): I. celosioides var. macrophylla.  
var. spiculigera (*Seubert*) U. Eliasson in *Fl. Ecuador*, 28(44): 124 (1987): I. spiculigera.  
leptoclada (*Hook. f.*) J. Henrickson & S. Sundberg in *Aliso*, 11(3): 360 (1986): *Dicraurus leptocladus*.  
pedicellata U. Eliasson in *Fl. Ecuador*, 28(44): 116 (1987)—Ecuador.

**IRIS** (Iridac.).

ser. Acutilobae B.D. Gavrilenko in *Zam. Sist. Geogr. Rast.*, 41: 74 (1986).  
sect. Brevituba B. Mathew in *Davis & Hedge Festschrift (ed. Kit Tan)*: 84 (1989).  
sect. Haloiris V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 412 (1990).  
ser. Humiles V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 415 (1990).  
ser. Ibericae B.D. Gavrilenko in *Zam. Sist. Geogr. Rast.*, 41: 74 (1986).  
ser. Lactea V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 412 (1990).  
ser. Ludwigia V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 413 (1990).  
sect. Monolepis (*Rodionenko*) B. Mathew in *Davis & Hedge Festschrift (ed. Kit Tan)*: 87 (1989): *Iridodictyum* sect. Monolepis.  
ser. Paradoxae B.D. Gavrilenko in *Zam. Sist. Geogr. Rast.*, 41: 75 (1986).  
ser. Potaninia V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 415 (1990).  
subgen. Tenuifoliae (*Diels*) V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 412 (1990): I. subsect. Tenuifoliae.  
ser. Tigridia V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 415 (1990).  
sect. Ventricosae (*Rodion.*) V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 413 (1990): I. ser. Ventricosae.  
subsect. Xyphophyllae O.A. Amekhin in *Bot. Zhurn.*, 73(11): 1599 (1988).  
ser. Xyphophyllae (*Amechin*) V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 411 (1990): I. subsect. Xyphophyllae.  
dolichosiphon H. Noltie in *Kew Mag.*, 7(1): 12 (1990)—Bhutan, Xizang.  
falcifolia A. Bunge, *Beitr. Fl. Russl.*: 329 (1852)—U.S.S.R. (Middle Asia).†  
filifolia A. Bunge, *Beitr. Fl. Russl.*: 330 (1852)—U.S.S.R. (Middle Asia).†  
histrio  
subsp. aintabensis (*G.P. Baker*) B. Mathew in *Davis & Hedge Festschrift (ed. Kit Tan)*: 97 (1989): A. histrio var. aintabensis.  
ivanovae V.M. Doron'kin in *Fl. Sibir. (Arac.-Orchidac.)*: 117 (1987)—U.S.S.R. (Siberia), China, Mongolia.  
lortetii  
var. samariae (*Dinsmore*) N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 121 (1986): I. samariae.  
missuriensis *Mertens, Hort. Leeuwen.*, 1840; cf. *D.J. Mabberley in Taxon*, 33(3): 442 (1984)—Locality not stated.  
paradoxa  
subsp. choschab (*Baker*) B.D. Gavrilenko in *Zam. Sist. Geogr. Rast.*, 41: 75 (1986), without basionym ref.: I. paradoxa var. choschab.  
pariensis S.L. Welsh in *Great Basin Nat.*, 46(2): 256 (1986)—U.S.A. (Utah).  
potaninii  
var. arenaria V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 415 (1990)—U.S.S.R. (Siberia).  
pseudonotha A.I. Galushko in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 9 (1983)—U.S.S.R. (Caucasus).  
ruthenica  
subsp. brevituba (*Maxim.*) V.M. Doron'kin in *Fl. Sibir. (Arac.-Orchidac.)*: 121 (1987): I. ruthenica var. brevituba.

**IRIS** :-

- sanguinea  
f. tetrapetala V.M. Doron'kin in *Bot. Zhurn.*, 75(3): 410 (1990)—U.S.S.R. (Siberia).  
sogdiana A. Bunge, *Beitr. Fl. Russl.*: 331 (1852)—U.S.S.R. (Middle Asia).†  
taurica  
var. angustissima V.M. Ostapko in *Intro. i Akklimatiz. Rast.*, 12: 33 (1989)—U.S.S.R. (Ukraine).  
var. brevifolia V.M. Ostapko in *Intro. i Akklimatiz. Rast.*, 12: 33 (1989), without type—U.S.S.R. (Ukraine).  
unguicularis  
var. angustifolia (Boiss. & Heldr.) A.P. Davis & S.L. Jury in *Bot. J. Linn. Soc.*, 103(3): 296 (1990): I. stylosa var. angustifolia.  
subsp. carica (W. Schultz) A.P. Davis & S.L. Jury in *Bot. J. Linn. Soc.*, 103(3): 295 (1990): Siphonostylis cretensis subsp. carica.  
var. carica (W. Schultz) A.P. Davis & S.L. Jury in *Bot. J. Linn. Soc.*, 103(3): 295 (1990): Siphonostylis cretensis subsp. carica.  
subsp. cretensis (Yanka) A.P. Davis & S.L. Jury in *Bot. J. Linn. Soc.*, 103(3): 294 (1990): I. cretensis.  
var. syriaca (W. Schultz) A.P. Davis & S.L. Jury in *Bot. J. Linn. Soc.*, 103(3): 297 (1990): Siphonostylis cretensis subsp. syriaca.  
vorobievii N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 424 (1987)—U.S.S.R. (Soviet Far East).

**IRLBACHIA** (Gentianac.).

- poeppigii (Grisebach) L. Cobb & P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 86(2): 131 (1983): Pagaea poeppigii.  
pratensis (H.B.K.) L. Cobb & P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 86(2): 132 (1983): Lisianthus pratensis.

**ISACHNE** (Gramin.).

- goiasensis S.A. Renvoize in *Kew Bull.*, 42(4): 928 (1987)—Brazil.  
henryi S.R. Srinivasan & P.V. Sreekumar in *J. Bombay Nat. Hist. Soc.*, 84(3): 647 (1987 publ. 1988)—India.  
kunthiana  
subsp. nudiglumis (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 511 (1987): I. myosotis var. nudiglumis.  
veldkampii K.G. Bhat & C.R. Nagendran in *Curr. Sci.*, 52(6): 258 (1983)—India.

**ISATIS** (Crucif.).

- davisiana Misirdali ex P.H. Davis, R.R. Mill & Kit Tan in *Fl. Turkey & E. Aegean Is.*, 10: 234, 32 (1988)—Turkey.  
demiriziana Misirdali ex P.H. Davis, R.R. Mill & Kit Tan in *Fl. Turkey & E. Aegean Is.*, 10: 234, 32 (1988)—Turkey.  
mardinensis P.H. Davis & Misirdali in *Fl. Turkey & E. Aegean Is.*, 10: 234, 33 (1988)—Turkey.  
tinctoria  
subsp. athoa (Boiss.) K. Papanicolaou in A. Strid (ed.), *Mount. Fl. Greece*, 1: 238 (1986): I. athoa.

**ISCHAEMUM** (Gramin.).

- agastymalayyanum P.V. Sreekumar, M.K. Janarthanam & A.N. Henry in *J. Bombay Nat. Hist. Soc.*, 84(3): 643 (1987 publ. 1988)—India.  
albovillosum B.K. Simon in *Austrobaileya*, 3(1): 86 (1989)—Australia (W. Australia).  
aristatum  
subsp. glaucum (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 512 (1987): I. crassipes var. glaucum.  
tropicum B.K. Simon in *Austrobaileya*, 3(1): 88 (1989)—Australia (N. Terr., Queensland), New Guinea (Papua New Guinea).

**ISCHYROLEPIS** (Restionac.).

- affinis E.E. Esterhuysen in *Bothalia*, 15(3-4): 401 (1985)—South Africa (Cape Province).  
arida (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 402 (1985): Restio aridus.  
caespitosa E.E. Esterhuysen in *Bothalia*, 15(3-4): 402 (1985)—South Africa (Cape Province).

**ISCHYROLEPIS** :-

- capensis (L.) H.P. Linder in *Bothalia*, 15(3-4): 402 (1985): Schoenus capensis.  
cinninata (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 403 (1985): Restio cinninatus.  
coactilis (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 403 (1985): Restio coactilis.  
curvibracteata E.E. Esterhuysen in *Bothalia*, 15(3-4): 403 (1985)—South Africa (Cape Province).  
curviramis (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 404 (1985): Restio curviramis.  
distracta (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 404 (1985): Restio distractus.  
duthieae (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 404 (1985): Restio duthieae.  
eleocharis (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 404 (1985): Restio eleocharis.  
esterhuyseniae (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 404 (1985): Restio esterhuyseniae.  
feminea E.E. Esterhuysen in *Bothalia*, 15(3-4): 404 (1985)—South Africa (Cape Province).  
fraterna (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 405 (1985): Restio fraterinus.  
fuscidula (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 405 (1985): Restio fuscidulus.  
gaudichaudiana (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 405 (1985): Restio gaudichaudianus.  
gossypina (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 405 (1985): Restio gossypinus.  
helenae (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 406 (1985): Restio helenae.  
hystrix (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 406 (1985): Restio hystrix.  
karooica E.E. Esterhuysen in *Bothalia*, 15(3-4): 406 (1985)—South Africa (Cape Province).  
laniger (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 406 (1985): Restio laniger.  
leptoclados (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 407 (1985): Restio leptoclados.  
longiaristata Pillans ex H.P. Linder in *Bothalia*, 15(3-4): 407 (1985)—South Africa (Cape Province).  
macer (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 407 (1985): Restio macer.  
marlothii (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 407 (1985): Restio marlothii.  
monanthos (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 407 (1985): Restio monanthos.  
nana E.E. Esterhuysen in *Bothalia*, 15(3-4): 409 (1985)—South Africa (Cape Province).  
nubigena E.E. Esterhuysen in *Bothalia*, 15(3-4): 409 (1985)—South Africa (Cape Province).  
ocreata (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 410 (1985): Restio ocreatus.  
paludosa (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 410 (1985): Restio paludosus.  
papillosa E.E. Esterhuysen in *Bothalia*, 15(3-4): 410 (1985)—South Africa (Cape Province).  
pratensis E.E. Esterhuysen in *Bothalia*, 15(3-4): 411 (1985)—South Africa (Cape Province).  
pygmaea (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 413 (1985): Restio pygmaeus.  
rivula E.E. Esterhuysen in *Bothalia*, 15(3-4): 413 (1985)—South Africa (Cape Province).  
rotboellioides (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 413 (1985): Restio rotboellioides.  
sabulosa (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 413 (1985): Restio sabulosus.  
saxatilis E.E. Esterhuysen in *S. Afr. J. Bot.*, 56(4): 456 (1990)—South Africa (Cape Province).  
schoenoides (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 413 (1985): Restio schoenoides.  
setiger (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 413 (1985): Restio setiger.  
sieberi (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 414 (1985): Restio sieberi.  
sporadica E.E. Esterhuysen in *Bothalia*, 15(3-4): 414 (1985)—South Africa (Cape Province).  
tenuissima (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 415 (1985): Restio tenuissimus.  
triflora (Rottb.) H.P. Linder in *Bothalia*, 15(3-4): 415 (1985): Restio triflorus.  
unispicata H.P. Linder in *Bothalia*, 15(3-4): 415 (1985)—South Africa (Cape Province).  
vilis (Kunth) H.P. Linder in *Bothalia*, 15(3-4): 417 (1985): Restio vilis.  
virgea (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 417 (1985): Restio virgeus.

**ISCHYROLEPIS** :-

- wallichii (Mast.) H.P. Linder in *Bothalia*, 15(3-4): 417 (1985): Restio wallichii.  
wittebergensis E.E. Esterhuysen in *Bothalia*, 15(3-4): 417 (1985)—South Africa (Cape Province).

**ISIDOREA** (Rubiace.).

- gonavensis A. Aiello & A. Borhidi in *Acta Bot. Hung.*, 32(1-4): 221 (1986)—Hispaniola (Haiti).  
veris Ekman ex A. Aiello & A. Borhidi in *Acta Bot. Hung.*, 32(1-4): 222 (1986)—Hispaniola (Dominican Republic).

**ISOCOMA** (Compos.).

- acradenia  
subsp. eremophila (Greene) R.M. Beauchamp in *Phytologia*, 59(7): 437 (1986): I. eremophila.  
veneta  
var. furfuracea (Greene) R.M. Beauchamp in *Phytologia*, 59(7): 437 (1986): Biglovia furfuracea.  
var. oxyphylla (Greene) R.M. Beauchamp in *Phytologia*, 59(7): 438 (1986): I. oxyphylla.

**ISODON** (Labiata.).

- sect. Amethystoides (Bentham) H.W. Li in *J. Arnold Arbor.*, 69(4): 299 (1988): Plectranthus sect. Amethystoides.  
ser. Coetsae (Briq.) H.W. Li in *J. Arnold Arbor.*, 69(4): 367 (1988): Plectranthus ser. Coetsae.  
ser. Excisi (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 317 (1988): Rabbosia ser. Excisae.  
ser. Gerardiani (Briq.) H.W. Li in *J. Arnold Arbor.*, 69(4): 319 (1988): Plectranthus ser. Gerardiani.  
ser. Longitubi (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 308 (1988): Rabbosia ser. Longitubae.  
ser. Macrocalyces (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 377 (1988): Rabbosia ser. Macrocalyces.  
ser. Megathyrsi (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 373 (1988): Rabbosia ser. Megathyrsae.  
sect. Melissoides (Bentham) H.W. Li in *J. Arnold Arbor.*, 69(4): 388 (1988): Plectranthus sect. Melissoides.  
ser. Pleiophylli (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 353 (1988): Rabbosia ser. Pleiophyllae.  
sect. Pyramidium (Bentham) H.W. Li in *J. Arnold Arbor.*, 69(4): 292 (1988): Plectranthus sect. Pyramidium.  
ser. Rugosi (Briq.) H.W. Li in *J. Arnold Arbor.*, 69(4): 336 (1988): Plectranthus ser. Rugosi.  
ser. Scrophularioides (Briq.) H.W. Li in *J. Arnold Arbor.*, 69(4): 384 (1988): Plectranthus ser. Scrophularioides.  
ser. Setschwanenses (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 360 (1988): Rabbosia ser. Setschwanenses.  
angustifolius  
var. glabrescens (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 366 (1988): Rabbosia angustifolia var. glabrescens.  
barbeyanus (Léveillé) H.W. Li in *J. Arnold Arbor.*, 69(4): 362 (1988): Leucas barbeyana.  
brevifolius (Hand.-Mazz.) H.W. Li in *J. Arnold Arbor.*, 69(4): 296 (1988): Plectranthus brevifolius.  
caliculus  
var. subcalvus (Hand.-Mazz.) H.W. Li in *J. Arnold Arbor.*, 69(4): 323 (1988): Plectranthus caliculus var. subcalvus.  
calycinus (Bentham) H.W. Li in *J. Arnold Arbor.*, 69(4): 293 (1988): Plectranthus calycinus.  
coetsa  
var. cavaleriei (Léveillé) H.W. Li in *J. Arnold Arbor.*, 69(4): 371 (1988): Plectranthus cavaleriei.  
effusus (Maxim.) H.W. Li in *J. Arnold Arbor.*, 69(4): 311 (1988): Plectranthus longitubus var. effusus.  
enanderianus (Hand.-Mazz.) H.W. Li in *J. Arnold Arbor.*, 69(4): 295 (1988): Plectranthus enanderianus.  
grandifolius  
var. atuntzeensis (C.Y. Wu) H.W. Li in *J. Arnold Arbor.*, 69(4): 342 (1988): Rabbosia grandifolia var. atuntzeensis.  
hians (Bentham) H.W. Li in *J. Arnold Arbor.*, 69(4): 328 (1988): Plectranthus hians.

**ISODON** (—)

- japonicus  
var. glaucocalyx (Maxim.) H.W. Li in *J. Arnold Arbor.*, 69(4): 307 (1988): *Plectranthus glaucocalyx*.  
javanicus (Blume) H.W. Li in *J. Arnold Arbor.*, 69(4): 330 (1988): *Elsholtzia javanica*.  
lophanthoides (Ham. ex D. Don) B.N. Mehrotra & B.S. Aswal in *J. Econ. Taxon. Bot.*, 6(3): 612 (1985), without basionym ref.: *Hyssopus lophanthoides*.  
var. micranthus (C.Y. Wu) H.W. Li in *J. Arnold Arbor.*, 69(4): 336 (1988): *Rabdosia lophanthoides* var. *micrantha*.  
megathyrus (Diels) H.W. Li in *J. Arnold Arbor.*, 69(4): 374 (1988): *Plectranthus megathyrus*.  
var. strigosissimus (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 375 (1988): *Rabdosia megathyrus* var. *strigosissima*.  
pantadenius (Hand.-Mazz.) H.W. Li in *J. Arnold Arbor.*, 69(4): 298 (1988): *Plectranthus pantadenius*.  
pleiophyllus  
var. dolichodens (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 360 (1988): *Rabdosia pleiophylla* var. *dolichodens*.  
pulchokiensis (Murata) H.W. Li in *J. Arnold Arbor.*, 69(4): 332 (1988): *Rabdosia pulchokiensis*.  
racemosus (Hemsley) H.W. Li in *J. Arnold Arbor.*, 69(4): 377 (1988): *Plectranthus racemosus*.  
silvaticus (C.Y. Wu & H.W. Li) H.W. Li in *J. Arnold Arbor.*, 69(4): 358 (1988): *Rabdosia silvatica*.  
teysmannii (Miq.) H.W. Li in *J. Arnold Arbor.*, 69(4): 332 (1988): *Plectranthus teysmannii*.

**ISOGLOSSA** (Acanthac.).

- eranthemoides (F. Muell.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 229 (1986): *Justicia eranthemoides*.

**ISOLEPIS** (Cyperac.).

- angelica B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 362 (1986)—Lesotho, South Africa (Cape Province).  
costata  
var. macra (Boeck.) B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 363 (1986): *Scirpus macer*.  
distigmatosa (C.B. Clarke) E. Edgar in *New Zealand J. Bot.*, 25(1): 159 (1987): *Scirpus sulcatus* var. *distigmatosus*.  
pellicolea B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 363 (1986)—South Africa (Natal).

**ISOMETRUM** (Gesneriac.).

- sect. Chorianthera W.T. Wang & K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 432 (1988).  
sect. Pachysiphon K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 26 (1986).  
crenatum K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 27 (1986)—China.  
eximium Chun ex K.Y. Pan in *Acta Phytotax. Sin.*, 26(6): 432 (1988)—China.  
lancifolium (Franch.) K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 30 (1986): *Didissandra lancifolium*.  
var. mucronatum K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 30 (1986)—China.  
var. tsingchengshanicum W.T. Wang & K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 30 (1986)—China.  
lungshengense (W.T. Wang) W.T. Wang & K.Y. Pan in *Fl. Reipubl. Popul. Sin.*, 69: 187 (1990): *Opithandra lungshengensis*.  
pinnatilobatum K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 34 (1986)—China.  
sichuanicum K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 33 (1986)—China.  
villosum K.Y. Pan in *Acta Bot. Yunnanica*, 8(1): 31 (1986)—China.

**ISONANDRA** (Sapotac.).

- perrottetiana  
var. anaimalaiana Rakesh Kumari & K. Thothathri in *Indian J. Forest.*, 13(1): 61 (1990)—India.

**ISOTROPIS** (Legumin.).

- foliosa M.D. Crisp in *Austrobaileya*, 2(4): 412 (1987)—Australia (Queensland).

**ITEA** (Escalloniac.).

- quzhouensis H.T. Chang & Y.K. Li in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(2): 43 (1987)—China.

**ITEADAPHNE** (Laurac.).

- caudata (Nees) H.W. Li in *Acta Bot. Yunnanica*, 7(2): 132 (1985): *Daphnidium caudatum*.

**ITIP** J. Garnock-Jones & P.N. Johnson in New Zealand

- J. Bot.*, 25(4): 603 (1987 publ. 1988).  
**CRUCIFERAE**

- lacustris P.J. Garnock-Jones & P.N. Johnson in *New Zealand J. Bot.*, 25(4): 603 (1987 publ. 1988)—New Zealand.

**ITOA** (Flacourtiac.).

- orientalis  
var. glabrescens C.Y. Wu ex G.S. Fan in *J. Wuhan Bot. Res.*, 8(2): 137 (1990)—China.

**ITYSA** P. Ravenna in *Nordic J. Bot.*, 6(5): 582 (1986).

- IRIDACEAE**.  
gardneri (Bak.) P. Ravenna in *Nordic J. Bot.*, 6(5): 582 (1986): *Calydorea gardneri*.  
venezolensis P. Ravenna in *Nordic J. Bot.*, 6(5): 584 (1986)—Venezuela.

**IVA** (Compos.).

- ambrosiifolia  
var. lobata (Rydb.) B.L. Turner in *Phytologia*, 69(1): 15 (1990): *Cyclachaena lobata*.

**IVESIA** (Rosac.).

- aperta  
var. canina B. Ertter in *Brittonia*, 40(4): 398 (1988)—U.S.A. (California).  
arizonica (Eastw. ex J.T. Howell) B. Ertter in *Syst. Bot.*, 14(2): 233 (1989): *Purpusia arizonica*.  
var. saxosa (T.S. Brandege) B. Ertter in *Syst. Bot.*, 14(2): 233 (1989): *Purpusia saxosa*.  
baileyi  
var. beneolens (Nelson & J.F. Macbr.) B. Ertter in *Syst. Bot.*, 14(2): 236 (1989): *Horkelia beneolens*.  
kingii  
var. eremica (Cov.) B. Ertter in *Syst. Bot.*, 14(2): 244 (1989): *Potentilla eremica*.  
longibracteata B. Ertter in *Syst. Bot.*, 14(2): 233 (1989)—U.S.A. (California).  
patellifera (J.T. Howell) B. Ertter in *Syst. Bot.*, 14(2): 232 (1989): *Potentilla patellifera*.  
pityocharis B. Ertter in *Syst. Bot.*, 14(2): 241 (1989)—U.S.A. (Nevada).  
rhypara  
var. shelleyi B. Ertter in *Syst. Bot.*, 14(2): 239 (1989)—U.S.A. (Oregon).  
saxosa (Lemmon ex E. Greene) B. Ertter in *Syst. Bot.*, 14(2): 232 (1989): *Potentilla saxosa*.  
shockleyi  
var. ostleri B. Ertter in *Syst. Bot.*, 14(2): 237 (1989)—U.S.A. (Utah).

**IXERIS** (Compos.).

- gracilis  
var. khasiana (Hook. f.) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Lactuca gracilis* var. *khasiana*.  
parva (Kitamura) T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 115 (1987): *I. dentata* f. *parva*.  
yakuinsularis T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 115 (1987)—Japan.

**IXIA** (Iridac.).

- esterhuyseniae M.P. de Vos in *S. Afr. J. Bot.*, 54(6): 600 (1988)—South Africa (Cape Province).  
frederickii M.P. de Vos in *S. Afr. J. Bot.*, 54(6): 596 (1988)—South Africa (Cape Province).  
mostertii M.P. de Vos in *S. Afr. J. Bot.*, 54(6): 598 (1988)—South Africa (Cape Province).

**IXIOLAENA** (Compos.).

- chloroleuca L. Haegi in *Fl. S. Australia*, 3: 1551 (1986)—Australia (S. Australia, N. Terr., Queensland, New South Wales, Victoria).  
plurisetia L. Haegi in *Fl. S. Australia*, 3: 1552 (1986)—Australia (S. Australia).

**IXOCA** (Caryophyllac.).

- intonsa (Greuter & Melzheimer) J. Holub in *Preslia*, 58(4): 302 (1986): *Silene intonsa*.  
pusilla  
subsp. albanica (K. Malý) J. Holub in *Preslia*, 58(4): 302 (1986): *Heliosperma albanica*.  
widderi (Kofol-Seliger & T. Wraber) J. Holub in *Preslia*, 58(4): 302 (1986): *Silene veselskyi* subsp. *widderi*.

**IXORA** (Rubiace.).

- sect. Microthamnus A.M. Homolle ex M. Guédès in *Phytologia*, 60(4): 246 (1986).  
baileyana D.M. Bridson & L.G. Adams in *Kew Bull.*, 42(1): 214 (1987), nom. nov.: *Lasianthus graciliflorus* Bailey.  
beddomei T. Husain & S.R. Paul in *Candollea*, 41(1): 87 (1986)—India.  
bemangidiensis M. Guédès in *Phytologia*, 60(4): 246 (1986)—Madagascar.  
casei  
var. medialoba F.R. Fosberg & H.H. Sachet in *Baileya*, 23(2): 85 (1989)—Caroline Is.  
coccinea  
var. hermannii F.R. Fosberg & H.H. Sachet in *Baileya*, 23(2): 79 (1989)—Sri Lanka.  
var. intermedia F.R. Fosberg & H.H. Sachet in *Baileya*, 23(2): 80 (1989)—Cultivation.  
f. lutea (Hutch.) F.R. Fosberg & H.H. Sachet in *Baileya*, 23(2): 79 (1989): *I. lutea*.  
foliicalyx M. Guédès in *Phytologia*, 60(4): 250 (1986)—Madagascar.  
gamblei V.S. Ramachandran & V.J. Nair, *Fl. Cannanore*: 220 (1988), nom. nov.: *I. leucantha* var. *malabarica* Gamble.  
littoralis (A.M. Hom. ex J. Arènes) M. Guédès in *Phytologia*, 60(4): 248 (1986): *Thouarsiora littoralis*.  
mercaraica T. Husain & S.R. Paul in *Candollea*, 41(1): 88 (1986)—India.  
ooumuensis J. Florence in *Bull. Mus. Nation. Hist. Nat., B. Adansonia, Ser. 4*, 8(1): 10 (1986)—Marquesas Is.  
pendula  
var. montana (Ridl.) K.M. Wong in *Tree Fl. Malaya*, 4: 359 (1989): *I. montana*.  
reducta Drake ex M. Guédès in *Phytologia*, 60(4): 245 (1986)—Madagascar.  
sambiranensis A.M. Homolle ex M. Guédès in *Phytologia*, 60(4): 245 (1986)—Madagascar.  
trimera M. Guédès in *Phytologia*, 60(4): 250 (1986)—Madagascar.

**J****JABOROSA** (Solanac.).

- cabrerae G. Barboza in *Kurtziana*, 18: 89 (1986)—Argentina.  
chubutensis G. Barboza & A.T. Hunziker in *Kurtziana*, 19: 141 (1987)—Argentina.  
kurtzii A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 117 (1987)—Argentina.  
laciniata (Miers) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 102 (1987): *Trechonaetes laciniata*.  
lanigera (Phil.) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 136 (1987): *Trechonaetes lanigera*.  
parviflora (Phil.) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 139 (1987): *Trechonaetes parviflora*.  
riojana A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 121 (1987)—Argentina.  
rotacea (Lillo) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 105 (1987): *Trechonaetes rotacea*.  
sativa (Miers) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 107 (1987): *Trechonaetes sativa*.  
squarrosa (Miers) A.T. Hunziker & G. Barboza in *Kurtziana*, 19: 130 (1987): *Dorystigma squarrosus*.

**JACQUINIA** (Theophrastac.).

macrocarpa

subsp. panamensis (Lundell) B. Ståhl in *Nordic J. Bot.*, 9(1): 23 (1989): J. panamensis.subsp. pungens (A. Gray) B. Ståhl in *Nordic J. Bot.*, 9(1): 23 (1989): J. pungens.montana B. Ståhl in *Nordic J. Bot.*, 9(1): 27 (1989)—Nicaragua.nitida B. Ståhl in *Nordic J. Bot.*, 9(1): 24 (1989)—Honduras, Guatemala, Nicaragua.**JAGERA** (Sapindac.).

javanica

subsp. australiana P.W. Leenhouts in *Blumea*, 32(1): 225 (1987)—Australia (Queensland).**JALCOPHILA** M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 38(2): 162 (1986). **COMPOSITAE**.boliviensis A.A. Anderberg & S.E. Freire in *Brittonia*, 42(2): 139 (1990)—Bolivia.ecuadorensis M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 38(2): 165 (1986)—Ecuador.peruviana M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 38(2): 163 (1986)—Peru.**JALTOMATA** (Solanac.).glandulosa (Miers) R. Castillo & R.E. Schultes in *Rhodora*, 88(854): 292 (1986): *Saracha glandulosa*.vestita (Miers) R. Castillo & R.E. Schultes in *Rhodora*, 88(854): 292 (1986): *Saracha vestita*.**JAMESIA** (Hydrangeac.).

americana

var. zionis N.H. Holmgren & P.K. Holmgren in *Brittonia*, 41(4): 344 (1989)—U.S.A. (Utah).tetrapetala N.H. Holmgren & P.K. Holmgren in *Brittonia*, 41(4): 348 (1989)V—U.S.A. (Nevada, Utah). N1

×**JANKAEBERLEA** J. Halda in *Preslia*, 61(2): 125 (1989). **GESNERIACEAE**. (Haberlea × Jankaea).  
 panayotii J. Halda in *Preslia*, 61(2): 125 (1989)—Cultivation. (Haberlea rhodopensis × Jankaea heldreichii).

×**JANKAENDRON** J. Halda in *Preslia*, 61(2): 125 (1989). **GESNERIACEAE**. (Conandron × Jankaea).  
 stevensiae J. Halda in *Preslia*, 61(2): 125 (1989)—Cultivation. (Conandron ramondoides × Jankaea heldreichii).

×**JANKAESSANDRA** J. Halda in *Preslia*, 61(2): 127 (1989). **GESNERIACEAE**. (Didissandra × Jankaea).  
 bluemelii J. Halda in *Preslia*, 61(2): 127 (1989)—Cultivation. (Didissandra lanuginosa × Jankaea heldreichii).

**JANUSIA** Juss. ex S.L. Endlicher Gen. Pl.: 1058 (April 1840). **MALPIGHIACEAE**. †  
 christianeae W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 80 (1987)—Brazil.  
 hexandra (Vell.) W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 83 (1987): *Banisteria hexandra*.  
 occhionii W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 84 (1987)—Brazil, Paraguay.  
 prancei W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 87 (1987)—Brazil.

**JASARUM** G.S. Bunting in *Acta Bot. Venezuel.*, 10(1-4): 264 (1975). **ARACEAE**.

**JASIONE** (Campanulac.).

corymbosa

var. glabra (Durieu ex Boiss. & Reuter) J. Parnell in *Watsonia*, 16(3): 265 (1987): J. glabra.

crispa

subsp. lanuginella (Litard. & Maire) J. Lambinon & J. Lewalle in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 21: 59 (1986): J. amethystina var. lanuginella.

heldreichii

var. papillosa J. Parnell in *Watsonia*, 16(3): 266 (1987)—Turkey.

laevis

subsp. gredensis S. Rivas-Martínez & L.G. Sancho in *Lazarova*, 6: 181 (1984 publ. 1985)—Spain.**JASIONE** :-

montana

var. imbricans J. Parnell in *Watsonia*, 16(3): 264 (1987)—Spain, France.**JASMINUM** (Oleac.).

cordifolium

subsp. andamanicum S.K. Srivastava & S.L. Kapoor in *Bull. Bot. Surv. India*, 25(1-4): 219 (1983 publ. 1985)—Andaman Is.

fluminense

subsp. gratissimum (Deflers) P.S. Green in *Kew Bull.*, 41(2): 417 (1986): J. gratissimum.

grandiflorum

subsp. floribundum (R. Br. ex Fresen.) P.S. Green in *Kew Bull.*, 41(2): 414 (1986): J. floribundum.laurifolium Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 112 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.

subhumile

var. glabricymosum (W.W. Smith) P.Y. Bai in *Fl. Yunnanica*, 4: 649 (1986): J. heterophyllum var. glabricymosum.yuanjiangense P.Y. Bai in *Acta Bot. Yunnanica*, 7(4): 421 (1985)—China.**JATROPHA** (Euphorbiac.).subsect. Dichtares A. Radcliffe-Smith in *Kew Bull.*, 42(1): 116 (1987).subsect. Furciferæ A. Radcliffe-Smith in *Kew Bull.*, 42(1): 115 (1987).subsect. Parvifoliae A. Radcliffe-Smith in *Kew Bull.*, 42(1): 119 (1987).sect. Robecchiana A. Radcliffe-Smith in *Kew Bull.*, 42(1): 120 (1987).subsect. Tropaeolifoliae A. Radcliffe-Smith in *Kew Bull.*, 42(1): 115 (1987).

dichtar

var. gracilior A. Radcliffe-Smith in *Kew Bull.*, 42(1): 116 (1987)—Somali Republic.elbae J. Jiménez Ramírez in *Act. Suc. Mex.*, 31(1): 3 (1986)—Mexico.rosea A. Radcliffe-Smith in *Kew Bull.*, 42(1): 118 (1987)—Somali Republic.stevensii G.L. Webster in *Ann. Missouri Bot. Gard.*, 74(1): 117 (1987)—Nicaragua.

stuhlmannii

subsp. somalensis A. Radcliffe-Smith in *Kew Bull.*, 42(1): 107 (1987)—Somali Republic.tuberosa W. Elliot, *Fl. Andhinca*: 85 (1859); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**JEDDA** J.R. Clarkson in *Austrobaileya*, 2(3): 203 (1986). **THYMELAEACEAE**.

multicaulis J.R. Clarkson in *Austrobaileya*, 2(3): 203 (1986)—Australia (Queensland).

**JEJOSEPHIA** A. Nageswara Rao & K.J. Mani in *J. Econ. Taxon. Bot.*, 7(1): 217 (1985). **ORCHIDACEAE**.

pusilla (Joseph & H. Deka) A. Nageswara Rao & K.J. Mani in *J. Econ. Taxon. Bot.*, 7(1): 217 (1985): *Trias pusilla*.

**JOHNSONIA** (Anthericac.).

inconspicua G.J. Keighery in *Fl. Australia*, 45: 490, 246 (1987)—Australia (W. Australia).

×**JOHNYEEARA** hort. in *Orchid Rev.*, 96(1141): centre page pull-out p. 8 (1988). **ORCHIDACEAE**. (Brassavola × Cattleya × Epidendrum × Laelia × Schomburgkia × Sophronitis).

**JOHRENIA** (Umbellif.).

aromatica K.H. Rechinger in *Fl. Iran.*, 162: 376 (1987)—Iran, Iraq.

golestanica K.H. Rechinger in *Fl. Iran.*, 162: 376 (1987)—Iran.

**JOHRENIOPSIS** M.G. Pimenov in *Fl. Iran.*, 162: 454 (1987). **UMBELLIFERAE**.

oligactis (Rech. f. & H. Riedl) M.G. Pimenov in *Fl. Iran.*, 162: 456 (1987): *Peucedanum oligactis*.

scoparia (Boiss.) M.G. Pimenov in *Fl. Iran.*, 162: 455 (1987): *Johrenia scoparia*.

seseloides (C.A. Mey.) M.G. Pimenov in *Fl. Iran.*, 162: 455 (1987): *Ferula seseloides*.

**JOHRENIOPSIS** :-

stricticaulis (Rech. f.) M.G. Pimenov in *Fl. Iran.*, 162: 456 (1987): *Peucedanum stricticaule*.

**JOSEANTHUS** H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 210 (1989). **COMPOSITAE**.

chimboraensis (Hieron.) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 211 (1989): *Vernonia chimborazensis*.

crassilanatus (Cuatr.) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 211 (1989): *Vernonia crassilanata*.

cuatrecasii H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 211 (1989)—Ecuador.

sparrei (H. Robinson) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 211 (1989): *Basionym* not stated.

trichotomus (Gleason) H. Robinson in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 211 (1989): *Basionym* not stated.

**JOVIBARBA** (Crassulac.).

globifera (L.) J. Parnell in *Bot. J. Linn. Soc.*, 103(3): 219 (1990): *Sempervivum globiferum*.

subsp. allionii (Jordan & Fourr.) J. Parnell in *Bot. J. Linn. Soc.*, 103(3): 219 (1990): *Diopogon allionii*.

subsp. arenaria (Koch) J. Parnell in *Bot. J. Linn. Soc.*, 103(3): 219 (1990): *Sempervivum arenarium*.

subsp. hirta (L.) J. Parnell in *Bot. J. Linn. Soc.*, 103(3): 219 (1990): *Sempervivum hirtum*.

hirta

subsp. arenaria (Koch) J. Parnell in *Acta Bot. Hung.*, 34(1-2): 222 (1988): *Sempervivum arenarium*.

subsp. borealis (H. Huber) J. Parnell in *Acta Bot. Hung.*, 34(1-2): 222 (1988), *isonym*; see R. Soo in *Acta Bot. Acad. Sci. Hung.*, 23(3-4): 380 (1977 publ. 1978): *Diopogon hirtus* subsp. borealis.

**JUBELINA** (Malpighiac.).

grisebachiana W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 30 (1990)—Venezuela, Brazil, Colombia.

**JUGLANS** (Juglandac.).

regia

subsp. sinensis (C. DC.) H. Ohle in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 38 (1986): J. regia var. sinensis.

**JULOCROTON** (Euphorbiac.).

humilis

var. robustior L.B. Smith & R.J. Downs in *Fl. Illustr. Catar.*, 1(Euforbiac.): 143 (1988)—Brazil.

**JUNCUS** (Juncac.).

acutus

subsp. littoralis (C.A. Mey.) N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 143 (1986): J. littoralis.

alpinoarticulatus subsp. americanus (Farwell) L. Hämet-Ahti in *Ann. Bot. Fenn.*, 23(4): 277 (1986): J. alpinus var. americanus.

subsp. fuscescens (Fern.) L. Hämet-Ahti in *Ann. Bot. Fenn.*, 23(4): 280 (1986): J. alpinus var. fuscescens.

ambiguus var. ossoraicus (V. Novikov) V.S. Novikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 1: 63 (1985): J. ranarius var. ossoraicus.

subsp. turkestanicus (V. Krecz. & Gontsch.) V.S. Novikov in *Novosti Sist. Vyssh. Rast.*, 24: 60 (1987): J. turkestanicus.

chiapasensis H. Balslev in *Ann. Missouri Bot. Gard.*, 75(1): 379 (1988)—Mexico.

compressus

subsp. gracillimus (Buchenau) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): J. compressus var. gracillimus.

×donanae M.C. Fernández Carvajal in *Lagascalia*, 14(1): 117 (1986) as 'donyanae'—Spain. (J. acutiflorus subsp. rugosus × striatus).

exsertus

subsp. lesuticus B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 191 (1988 publ. 1989)—South Africa (Cape Province), Lesotho.



**JUNCUS** :-

- gerardii  
var. *ubsunuricus* V.S. Novikov in *Novosti Sist. Vyssh. Rast.*, 24: 64 (1987)—Mongolia.
- hemindyus  
var. *abjectus* (F.J. Hermann) B. Ertter in *Mem. New York Bot. Gard.*, 39: 76 (1986): J. *abjectus*.
- leiospermus  
var. *ahrtii* B. Ertter in *Mem. New York Bot. Gard.*, 39: 49 (1986)—U.S.A. (California).
- leucochlamys  
subsp. *borealis* (Tolm.) V.S. Novikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 1: 74 (1985): J. *leucochlamys* var. *borealis*.
- liebmannii  
var. *polycephalus* H. Balslev in *Ann. Missouri Bot. Gard.*, 75(1): 381 (1988)—Mexico.
- luciensis B. Ertter in *Mem. New York Bot. Gard.*, 39: 58 (1986)—U.S.A. (California).
- mollifolius O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 367 (1986)—South Africa (Natal), Lesotho.
- orchonicus V.S. Novikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 90(5): 110 (1985)—Mongolia, U.S.S.R. (Siberia).
- rohtangensis A.K. Goel & B.S. Aswal in *Indian J. Forest.*, 10(4): 262 (1987)—India.
- salsuginosus  
subsp. *tuvanicus* N.K. Kovtonyuk in *Novosti Sist. Vyssh. Rast.*, 24: 49 (1987); et in *Fl. Sibir. (Arac.-Orchidac.)*: 33 (1987)—U.S.S.R. (Siberia).
- sosnowskiy V.S. Novikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(1): 110 (1989)—U.S.S.R. (Caucasus).
- tiehmii B. Ertter in *Mem. New York Bot. Gard.*, 39: 60 (1986)—U.S.A. (California, Idaho, Nevada, Oregon), Mexico.
- yoskisukei A.K. Goel in *J. Econ. Taxon. Bot.*, 7(1): 208 (1985), nom. nov.: J. *albescens* Satake.

**JUNELLIA** (Verbenac.).

- ser. *Erinaceae* (Walp.) S.M. Botta in *Darwiniana*, 29(1-4): 386 (1989): Verbenaceae.
- sect. *Guedesia* S.M. Botta in *Darwiniana*, 29(1-4): 388 (1989).
- sect. *Junelliopsis* S.M. Botta in *Darwiniana*, 29(1-4): 392 (1989).
- ser. *Minutifoliae* (Troncoso) S.M. Botta in *Darwiniana*, 29(1-4): 389 (1989): Verbenaceae.
- ser. *Pauciflorae* (Briq.) S.M. Botta in *Darwiniana*, 29(1-4): 389 (1989): Verbenaceae.
- ser. *Seriphioideae* (Walp.) S.M. Botta in *Darwiniana*, 29(1-4): 386 (1989): Verbenaceae.
- subgen. *Thryothamnus* (Philippi) S.M. Botta in *Darwiniana*, 29(1-4): 390 (1989): gen. *Thryothamnus*.
- sect. *Verticilliflora* (Schauer) S.M. Botta in *Darwiniana*, 29(1-4): 392 (1989), as 'Verticiflora': Verbenaceae.
- arequipense (Botta) S.M. Botta in *Darwiniana*, 29(1-4): 392 (1989): Verbenaceae.
- cinerascens (Schauer) S.M. Botta in *Darwiniana*, 29(1-4): 392 (1989): Verbenaceae.
- scoparia (Gillies & Hook.) S.M. Botta in *Darwiniana*, 29(1-4): 392 (1989): Verbenaceae.

**JUNGIA** (Labiata).

- splendens (Ker-Gawl.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Salvia splendens*.

**JUNIPERUS** (Cupressac.).

- chinensis  
var. *gaussenii* (Cheng) J. Silba in *Phytologia*, 68(1): 32 (1990): J. *gaussenii*.
- excelsa  
var. *pendula* (Mulk.) N.N. Imkhanitskaya in *Bot. Zhurn.*, 75(3): 407 (1990): J. *polycarpus* var. *pendula*.
- subsp. *turcomanica* (B. Fedtsch.) N.N. Imkhanitskaya in *Bot. Zhurn.*, 75(3): 408 (1990): J. *turcomanica*.
- sabina  
var. *jarkendensis* (Komarov) J. Silba in *Phytologia*, 68(1): 33 (1990): J. *jarkendensis*.
- semiglobosa  
var. *drobovii* (Sumnev.) J. Silba in *Phytologia*, 68(1): 33 (1990): J. *drobovii*.

**JUNIPERUS** :-

- var. *talassica* (Lipsky) J. Silba in *Phytologia*, 68(1): 34 (1990): J. *talassica*.

**JURINEA** (Compos.).

- cartilaginea V. Mozaffarian in *Iranian J. Bot.*, 4(1): 62 (1988)—Iran.
- dolomiaea  
var. *tibetica* (Stewart) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 230 (1990): J. *himalaica* var. *tibetica*.

**JURINELLA** (Compos.).

- macrocephala (Royle) B.S. Aswal & A.K. Goel in *Indian J. Forest.*, 11(4): 339 (1988 publ. 1989): *Dolomiaea macrocephala*.

**JUSTICIA** (Acanthac.).

- subsect. *Anisostachya* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 586 (1988): gen. *Anisostachya*.
- subsect. *Ansellia* (C.B. Clarke) V.A.W. Graham in *Kew Bull.*, 43(4): 598 (1988): J. sect. *Ansellia*.
- subsect. *Betonica* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 586 (1988): *Adhatoda* sect. *Betonica*.
- sect. *Chaetothylax* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 602 (1988): gen. *Chaetothylax*.
- sect. *Cyrtanthera* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 615 (1988): gen. *Cyrtanthera*.
- sect. *Dianthera* (L.) V.A.W. Graham in *Kew Bull.*, 43(4): 598 (1988): gen. *Dianthera*.
- subsect. *Dianthera* (L.) V.A.W. Graham in *Kew Bull.*, 43(4): 599 (1988): gen. *Dianthera*.
- sect. *Drejerella* (Lindau) V.A.W. Graham in *Kew Bull.*, 43(4): 607 (1988): gen. *Drejerella*.
- sect. *Grossa* B. Hansen in *Nordic J. Bot.*, 7(5): 507 (1987).
- sect. *Leucoloma* V.A.W. Graham in *Kew Bull.*, 43(4): 614 (1988).
- sect. *Orthotactus* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 616 (1988): gen. *Orthotactus*.
- sect. *Plagiacanthus* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 609 (1988): gen. *Plagiacanthus*.
- subsect. *Rostellaria* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 596 (1988): gen. *Rostellaria*.
- subsect. *Saglorithys* (Rizzini) V.A.W. Graham in *Kew Bull.*, 43(4): 600 (1988): gen. *Saglorithys*.
- sect. *Simonisia* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 604 (1988): gen. *Simonisia*.
- subsect. *Strobilloglossa* (Oersted) V.A.W. Graham in *Kew Bull.*, 43(4): 601 (1988): *Rhytiglossa* subgen. *Strobilloglossa*.
- acutifolia* M. Hedrén in *Nordic J. Bot.*, 10(3): 268 (1990)—Tanzania.
- adenothyrsa* (Lindau) T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 136 (1990): *Beloperone adenothyrsa*.
- adhatodoides* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 584 (1988): *Duvernoia adhatodoides*.
- afromontana* M. Hedrén in *Nordic J. Bot.*, 8(2): 161 (1988)—Sudan, Uganda.
- albomarginata* (Lindau) V.A.W. Graham in *Kew Bull.*, 43(4): 606 (1988): *Beloperone albomarginata*.
- alopecuroidea* T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 133 (1990)—Mexico.
- amabilis* (Mildbr.) V.A.W. Graham in *Kew Bull.*, 43(4): 595 (1988): *Thamnojusticia amabilis*.
- amanda* M. Hedrén in *Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 154 (1988)—Burundi, Rwanda.
- anisophylla* (Mildbraed) R.K. Brummitt in *Kew Bull.*, 45(2): 281 (1990): *Rhaphidospora anisophylla*.
- asystasioides* (Lindau) M.E. Steiner in *Kew Bull.*, 44(4): 709 (1989): *Duvernoia asystasioides*.
- baenitzii* (H. Winkl.) C. Ezcurra in *Bol. Soc. Argent. Bot.*, 25(3-4): 348 (1988): *Beloperone baenitzii*.
- bankaoensis* (Bremek.) V.A.W. Graham in *Kew Bull.*, 43(4): 596 (1988): *Rostellularia bankaoensis*.
- baronii* V.A.W. Graham in *Kew Bull.*, 43(4): 588 (1988), nom. nov.: *Adhatoda robusta* C.B. Clarke.
- bentii* V.A.W. Graham in *Kew Bull.*, 43(4): 585 (1988), nom. nov.: *Bentia fruticulosa* Rolfe.
- biokoensis* V.A.W. Graham in *Kew Bull.*, 43(4): 588 (1988), nom. nov.: J. *maculata* T. Anders.
- boaleri* M. Hedrén in *Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 146 (1988)—Tanzania.
- bojeri* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 587 (1988): *Anisostachya bojeri*.
- boliviensis* (Bremek.) V.A.W. Graham in *Kew Bull.*, 43(4): 613 (1988): *Sarotheca boliviensis*.

**JUSTICIA** :-

- bremekampii* V.A.W. Graham in *Kew Bull.*, 43(4): 588 (1988), nom. nov.: *Rhaphidospora javanica* Bremek.
- brevipedunculata* Ensermu Kelbessa in *Pl. Syst. Evol.*, 163(1-2): 121 (1989)—Tanzania.
- brevipila* M. Hedrén in *Kew Bull.*, 43(2): 356 (1988)—Kenya.
- calycina* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 610 (1988): *Beloperone calycina*.
- candicans* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 611 (1988): *Adhatoda candicans*.
- chiengmaiensis* (Bremek.) V.A.W. Graham in *Kew Bull.*, 43(4): 596 (1988): *Rostellularia chiengmaiensis*.
- chivalis* D.C. Wasshausen in *Brittonia*, 41(4): 379 (1989)—Brazil.
- cochabambensis* (Rusby) V.A.W. Graham in *Kew Bull.*, 43(4): 603 (1988): *Beloperone cochabambensis*.
- colorata* (Nees) D.C. Wasshausen in *Op. Bot.*, 92: 274 (1987): *Sericographis colorata*.
- colorifera* V.A.W. Graham in *Kew Bull.*, 43(4): 611 (1988), nom. nov.: *Sericographis tinctoria* Oersted.
- columbiensis* (Leonard) V.A.W. Graham in *Kew Bull.*, 43(4): 605 (1988): *Chaetochlamys columbiensis*.
- cuatrecasasii* D.C. Wasshausen in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 257 (1989)—Colombia.
- cufodontii* (Fiori) Ensermu Kelbessa in *Symb. Bot. Upsal.*, 29(2): 59 (1990): J. *uncinulata* var. *cufodontii*.
- cuneata*  
subsp. *hoerleiniana* (P.G. Mey.) K. Immelman in *Bothalia*, 16(1): 40 (1986): J. *hoerleiniana*.
- subsp. *latifolia* (Nees) K. Immelman in *Bothalia*, 16(1): 40 (1986): *Gendarussa orchioidea* var. *latifolia*.
- densiflora* (Oersted) V.A.W. Graham in *Kew Bull.*, 43(4): 616 (1988): *Cyrtanthera densiflora*.
- diclipteroides*  
subsp. *aethiopica* M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 354 (1988 publ. 1989)—Ethiopia.
- subsp. *kibarianiensis* M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 362 (1988 publ. 1989)—Tanzania.
- subsp. *megaensis* M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 359 (1988 publ. 1989)—Ethiopia.
- subsp. *nierensis* (Mildbr.) M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 363 (1988 publ. 1989): J. *nierensis*.
- subsp. *praetervisa* (Lindau) M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 356 (1988 publ. 1989): J. *praetervisa*.
- subsp. *usambarica* M. Hedrén in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(4): 359 (1988 publ. 1989)—Tanzania.
- disparifolia* J.R.I. Wood in *Kew Bull.*, 43(1): 46 (1988)—Colombia.
- fimbriata* (Nees) V.A.W. Graham in *Kew Bull.*, 43(4): 608 (1988): *Beloperone fimbriata*.
- fortunensis* T.F. Daniel & D.C. Wasshausen in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(13): 290 (1990)—Panama.
- glabribacteata* (Lindau) V.A.W. Graham in *Kew Bull.*, 43(4): 617 (1988): *Jacobinia glabribacteata*.
- glutinosa* (Bremek.) V.A.W. Graham in *Kew Bull.*, 43(4): 613 (1988): *Sarotheca glutinosa*.
- gonzalezii* (Greenm.) J. Henrickson & P. Hiriart in *Aliso*, 12(1): 54 (1988): *Anisacanthus gonzalezii*.
- goudotii* V.A.W. Graham in *Kew Bull.*, 43(4): 603 (1988), nom. nov.: *Chaetothylax umbrosus* Nees.
- hansenii* V.V. Sivarajan & P. Mathew in *Taxon*, 38(3): 486 (1989), nom. nov.: J. *simplex* var. *serpyllifolia* Benth. ex C.B. Clarke.
- hassleri* (Lindau) V.A.W. Graham in *Kew Bull.*, 43(4): 615 (1988): *Beloperone hassleri*.
- heterocarpa*  
subsp. *dinteri* (S. Moore) M. Hedrén in *Symb. Bot. Upsal.*, 29(1): 106 (1989): J. *dinteri*.
- subsp. *petterssonii* M. Hedrén in *Nordic J. Bot.*, 10(4): 379 (1990)—Tanzania.
- subsp. *praetermissa* M. Hedrén in *Nordic J. Bot.*, 10(4): 379 (1990)—Uganda, Kenya, Tanzania, Rwanda, Burundi.
- subsp. *vallicola* M. Hedrén in *Nordic J. Bot.*, 10(4): 380 (1990)—Ethiopia.

**JUSTICIA :-**

- huambensis *M. Hedrén in Nordic J. Bot.*, 8(2): 165 (1988)—Angola.
- imlayae *B. Hansen in Nordic J. Bot.*, 9(2): 210 (1989), nom. nov.: *J. vasculosa* var. *laxa* Imlay.
- inaequifolia *R.K. Brummitt in Kew Bull.*, 45(2): 282 (1990)—Kenya, Tanzania.
- internodialis *B. Hansen in Nordic J. Bot.*, 9(2): 210 (1989), nom. nov.: *Rhyticallymma longipetiolatum* Brem.
- irwinii *D.C. Wasshausen in Brittonia*, 41(4): 381 (1989)—Brazil.
- ixtlania *T.F. Daniel in Proc. Calif. Acad. Sci.*, Ser. 4, 46(12): 283 (1990), nom. nov.: *Ixtlania acicularis* M.E. Jones.
- japonica *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 63 (1784)—Japan.†
- juiyensis *C. Escurra in Bol. Soc. Argent. Bot.*, 25(3-4): 350 (1988), nom. nov.: *J. leonardii* De Marco & Ruiz.
- kirkbridei *D.C. Wasshausen in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 255 (1989)—Colombia.
- kuestera *V.A.W. Graham in Kew Bull.*, 43(4): 616 (1988), nom. nov.: *Cyrtanthera aurantiaca* Hook.
- leonardii *N. de Marco & T. Ruiz in Publ. Espec. Inst. Lillo*, 1187: 50 (1976), as 'leonardi', homonym; see *Wasshausen in Bailey*, 19(1): 3 (1973)—Argentina.
- leucophloea (*Nees*) *D. Wasshausen in Rhodora*, 71: 551 (1969): *Rhytiglossa leucophloea*.
- leucophloea (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 613 (1988), isonym: *Rhytiglossa leucophloea*.
- leucostachya (*Bremek.*) *V.A.W. Graham in Kew Bull.*, 43(4): 598 (1988): *Plegmatolemma leucostachyum*.
- liebmanii *V.A.W. Graham in Kew Bull.*, 43(4): 612 (1988), nom. nov.: *Sericographis neglecta* Oersted.
- linifolia (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 618 (1988): *Aulojusticia linifolia*.
- longipes (*Standley*) *V.A.W. Graham in Kew Bull.*, 43(4): 608 (1988): *Drejerella longipes*.
- lorata *Ensemu Kelbessa in Nordic J. Bot.*, 9(4): 403 (1989 publ. 1990)—Kenya.
- luteocinerea *M. Hedrén in Symb. Bot. Upsal.*, 29(1): 79 (1989)—Kenya, Ethiopia.
- lythroides (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 603 (1988): *Heinzelia lythroides*.
- macrosiphon (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988): *Chaetochlamys macrosiphon*.
- magentea *V.A.W. Graham in Kew Bull.*, 43(4): 603 (1988), nom. nov.: *Beloperone velascana* Lindau.
- mariae *M. Hedrén in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 135 (1988)—Zambia.
- medrani *J. Henrickson & P. Hiriart in Aliso*, 12(1): 50 (1988)—Mexico.
- micrantha (*Oersted*) *V.A.W. Graham in Kew Bull.*, 43(4): 603 (1988): *Chaetothylopsis micrantha*.
- migeodii (*S. Moore*) *V.A.W. Graham in Kew Bull.*, 43(4): 591 (1988): *Siphonoglossa migeodii*.
- miguclii *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988), nom. nov.: *Chaetochlamys lindau* Rusby.
- mildbraedii *V.A.W. Graham in Kew Bull.*, 43(4): 596 (1988), nom. nov.: *Thamnojusticia grandiflora* Mildbr.
- modesta (*Bremek.*) *V.A.W. Graham in Kew Bull.*, 43(4): 589 (1988): *Calymmostachya modesta*.
- nagpurensis *V.A.W. Graham in Kew Bull.*, 43(4): 597 (1988), nom. nov.: *Rostellularia procumbens* var. *serpyllifolia* Benth.
- neotinctoria *K. Hammer in R. Mansfeld, Verz. Landwirtschaft. u. Gartn. Kulturpfl.*, Auf. 2, ed. J. Schultze-Motel, 3: 1243 (1986), nom. nov.: *Sericographis tinctoria* Oerst.
- nepalensis *V.A.W. Graham in Kew Bull.*, 43(4): 597 (1988), nom. nov.: *Rostellaria rotundifolia* Nees.
- obanensis *V.A.W. Graham in Kew Bull.*, 43(4): 589 (1988), nom. nov.: *J. thyrsoflora* S. Moore.
- oblongifolia (*Lindau*) *M.E. Steiner in Kew Bull.*, 44(4): 709 (1989): *Rhaphidospora oblongifolia*.
- obtusicaulis *M. Hedrén in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 151 (1988)—Zambia, Tanzania.
- odonellii *N. de Marco & T. Ruiz in Publ. Espec. Inst. Lillo*, 1187: 53 (1976), as 'odonelli'—Argentina.
- oranensis *N. de Marco & T. Ruiz in Publ. Espec. Inst. Lillo*, 1187: 46 (1976)—Argentina.
- orbicularis (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 587 (1988): *Duvernoia orbicularis*.

**JUSTICIA :-**

- orchioides
- subsp. glabrata *K. Immelman in Bothalia*, 16(1): 39 (1986)—South Africa (Cape Province).
- ornatopila *Ensemu Kelbessa in Nordic J. Bot.*, 9(4): 399 (1989 publ. 1990)—Ethiopia, Sudan, Somali Republic, Uganda, Kenya, Tanzania.
- orosiensis *L.H. Durkee in Fieldiana, Bot.*, n.s., 18: 56 (1986)—Costa Rica.
- paludosa (*S. Moore*) *V.A.W. Graham in Kew Bull.*, 43(4): 600 (1988): *Dianthera paludosa*.
- panamensis (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988): *Chaetochlamys panamensis*.
- paraguayensis *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988), nom. nov.: *Chaetochlamys marginata* Lindau.
- parvibracteata *K. Immelman in Bothalia*, 16(1): 39 (1986)—South Africa (Cape Province).
- pedropalensis *J.R.I. Wood in Kew Bull.*, 43(1): 42 (1988)—Colombia.
- petiolaris
- subsp. bowiei (*C.B. Cl.*) *K. Immelman in Bothalia*, 16(1): 40 (1986): *J. bowiei*.
- subsp. incerta (*C.B. Cl.*) *K. Immelman in Bothalia*, 16(1): 40 (1986): *J. incerta*.
- piuhiensis (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 601 (1988): *Rhytiglossa piuhiensis*.
- planchonii *V.A.W. Graham in Kew Bull.*, 43(4): 607 (1988), nom. nov.: *Beloperone violacea* Planchon & Linden.
- protracta
- subsp. rhodesiana (*S. Moore*) *K. Immelman in Bothalia*, 16(1): 40 (1986): *J. rhodesiana*.
- pseudociliata (*Mildbr.*) *V.A.W. Graham in Kew Bull.*, 43(4): 603 (1988): *Beloperone pseudociliata*.
- ramosa (*Oersted*) *V.A.W. Graham in Kew Bull.*, 43(4): 604 (1988): *Siphonoglossa ramosa*.
- ramosissima *Roxb. ex Hornem., Hort. Hafn., Suppl.*: 112 (1819); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- ramulosa (*Morong*) *V.A.W. Graham in Kew Bull.*, 43(4): 604 (Nov. 1988), isonym: *Beloperone ramulosa*.
- ramulosa (*Morong*) *C. Escurra in Bol. Soc. Argent. Bot.*, 25(3-4): 350 (Oct. 1988): *Beloperone ramulosa*.
- rauhii *D.C. Wasshausen in Beitr. Biol. Pfl.*, 63(3): 428 (1988)—Peru.
- readii *T.F. Daniel & D.C. Wasshausen in Proc. Calif. Acad. Sci.*, Ser. 4, 46(13): 295 (1990)—Panama.
- rectiflora (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 614 (1988): *Beloperone rectiflora*.
- regis *M. Hedrén in Nordic J. Bot.*, 10(3): 265 (1990)—Kenya.
- richardsiae *M. Hedrén in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 133 (1988)—Zambia, Zaïre.
- riedeliana (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988): *Simonisia riedeliana*.
- robertii *V.A.W. Graham in Kew Bull.*, 43(4): 614 (1988), nom. nov.: *Beloperone chapadensis* S. Moore.
- rusbyi (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 605 (1988): *Chaetochlamys rusbyi*.
- sarotheca *V.A.W. Graham in Kew Bull.*, 43(4): 614 (1988), nom. nov.: *Sarotheca elegans* Nees.
- scabra *Vahl, Enum.*, 1: 120 (1804); cf. *D.J. Mabberley in Taxon*, 32(1): 81 (1983)—Locality not stated.
- scansilis (*Rizzini*) *V.A.W. Graham in Kew Bull.*, 43(4): 617 (1988): *Beloperone scansilis*.
- scarlatina (*Blake*) *V.A.W. Graham in Kew Bull.*, 43(4): 612 (1988): *Jacobinia scarlatina*.
- scheidweileri *V.A.W. Graham in Kew Bull.*, 43(4): 617 (1988), nom. nov.: *Porphyrocoma lanceolata* Hook.
- schomburgkiana (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 607 (1988): *Beloperone schomburgkiana*.
- sericographis *V.A.W. Graham in Kew Bull.*, 43(4): 604 (1988), nom. nov.: *Sericographis rigida* Nees.
- simonisia *V.A.W. Graham in Kew Bull.*, 43(4): 606 (1988), nom. nov.: *Simonisia rosea* Nees.
- soukupii (*Standley & Barkley*) *V.A.W. Graham in Kew Bull.*, 43(4): 604 (1988): *Beloperone soukupii*.
- sprucei *V.A.W. Graham in Kew Bull.*, 43(4): 606 (1988), nom. nov.: *Chaetochlamys ciliata* Lindau.
- stearnii *V.A.W. Graham in Kew Bull.*, 43(4): 609 (1988), nom. nov.: *Drejerella calicicola* Urban.
- stolonifera (*C.B. Clarke*) *B. Hansen in Nordic J. Bot.*, 9(2): 210 (1989): *Rungia stolonifera*.

**JUSTICIA :-**

- striata
- subsp. austromontana *M. Hedrén in Nordic J. Bot.*, 10(4): 390 (1990)—Tanzania, Zambia, Malawi, Mozambique.
- var. dyschoristeoides (*C.B. Clarke*) *M. Hedrén in Symb. Bot. Upsal.*, 29(1): 111 (1989): *J. dyschoristeoides*.
- strobiloglissa *V.A.W. Graham in Kew Bull.*, 43(4): 602 (1988), nom. nov.: *Rhytiglossa mexicana* Oersted.
- sulphuriflora *M. Hedrén in Nordic J. Bot.*, 6(3): 303 (1986)—Tanzania.
- tabascina *T.F. Daniel in Proc. Calif. Acad. Sci.*, Ser. 4, 46(12): 284 (1990), nom. nov.: *Tabascina lindeni* Baillon.
- telloensis *M. Hedrén in Nordic J. Bot.*, 10(3): 269 (1990)—Cameroun.
- tetrameroides (*Lindau*) *V.A.W. Graham in Kew Bull.*, 43(4): 604 (1988): *Beloperone tetrameroides*.
- tetrasperma *M. Hedrén in Nordic J. Bot.*, 10(2): 151 (1990)—Zaïre.
- tijucensis *V.A.W. Graham in Kew Bull.*, 43(4): 601 (1988), nom. nov.: *Rhytiglossa lacta* Nees.
- tocantina (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 604 (1988): *Chaetothylax tocaninus*.
- ukagurensis *M. Hedrén in Nordic J. Bot.*, 6(3): 301 (1986)—Tanzania.
- unyorensis
- var. keniensis (*Rendle*) *M. Hedrén in Symb. Bot. Upsal.*, 29(1): 108 (1989): *J. keniensis*.
- upembensis *M. Hedrén in Symb. Bot. Upsal.*, 29(1): 112 (1989)—Zaïre.
- vahlia
- var. scindica *K.A. Malik & A. Ghafoor in Fl. Pakistan*, 188: 36 (1988)—Pakistan.
- venosa (*Nees*) *V.A.W. Graham in Kew Bull.*, 43(4): 617 (1988): *Orthotactus venosus*.
- venusta (*Rizzini*) *V.A.W. Graham in Kew Bull.*, 43(4): 606 (1988): *Cyphisia venusta*.
- veraguensis *T.F. Daniel & D.C. Wasshausen in Proc. Calif. Acad. Sci.*, Ser. 4, 46(13): 294 (1990)—Panama.
- viscosa *V.A.W. Graham in Kew Bull.*, 43(4): 614 (1988), nom. nov.: *Beloperone nuda* Rusby.
- zarucchi *D.C. Wasshausen in Acta Amazonica*, 14(1-2 Suppl.): 145 (1984 publ. 1986)—Brazil.
- zopilotensis *J. Henrickson & P. Hiriart in Aliso*, 12(1): 52 (1988)—Mexico.

**K**

- KADENIA** *T.V. Lavrova & V.N. Tikhomirov in Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 91(2): 93 (1986). **UMBELLIFERAE.**
- dubia (*Schkuhr*) *T.V. Lavrova & V.N. Tikhomirov in Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 91(2): 93 (1986): *Seseli dubium*.
- salina (*Turcz.*) *T.V. Lavrova & V.N. Tikhomirov in Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 91(2): 93 (1986): *Cnidium salinum*.
- KAEMPFERIA** (*Zingiberac.*)
- larsenii *P. Siriruga in Nordic J. Bot.*, 9(3): 257 (1989)—Thailand.
- latifolia *Donn ex Hornem., Hort. Hafn.*: 6 (1813); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- siamensis *P. Siriruga in Nordic J. Bot.*, 9(3): 257 (1989)—Thailand.
- spoliata *P. Siriruga in Nordic J. Bot.*, 9(3): 259 (1989)—Thailand.

- KAFIRNIGANIA** *R. Kam. & G.K. Kinzikaeva in Fl. Tadzhikskoi SSR*, 7: 523, 153 (1984). **UMBELLIFERAE.**
- hissarica (*Korov.*) *R. Kam. & G.K. Kinzikaeva in Fl. Tadzhikskoi SSR*, 7: 523, 153 (1984): *Peucedanum hissaricum*.

**KAILARSENIA** (Rubiace.).

- jardinei (*F. Muell. ex Benth.*) *C.F. Puttock in Austrobaileya*, 3(1): 53 (1989): *Gardenia jardinei*.  
 ochreate (*F. Muell.*) *C.F. Puttock in Austrobaileya*, 3(1): 54 (1989): *Gardenia ochreate*.  
 suffruticosa (*R. Br. ex Benth.*) *C.F. Puttock in Austrobaileya*, 3(1): 59 (1989): *Gardenia suffruticosa*.

**KALAKIA** (Umbellif.).

- marginata (*Boiss.*) *R. Alava in Fl. Iran.*, 162: 472 (1987): *Cymbocarpum marginatum*.  
*f. leiocarpa* (*Borrm. & Gauba*) *R. Alava in Fl. Iran.*, 162: 473 (1987): *Ducrosia stenocarpa f. leiocarpa*.

**KALANCHOE** (Crassulac.).

- deficiens  
*var. glabra E. Raads in Willdenowia*, 18(2): 423 (1989)—Yemen, South Yemen.

**KALOPANAX** (Araliac.).

- septemlobus  
*var. pilosus Q.Z. Yu in Acta Bot. Bor.-Occid. Sin.*, 5(3): 234 (1985), without type—China.

**KAMETTIA** (Apocynac.).

- caryophyllata (*Roxb.*) *D.H. Nicolson & C.R. Suresh in Taxon*, 35(2): 354 (1986): *Echites caryophyllata*.

**KANAHIA** (Asclepiadac.).

- carlsbergiana *D. Field, I. Friis & M.G. Gilbert in Nordic J. Bot.*, 6(6): 791 (1986)—Ethiopia.

**KANIA** (Myrtac.).

- hirsutula (*F. Muell.*) *A.J. Scott in Kew Bull.*, 45(1): 206 (1990): *Myrtella hirsutula*.

**KARATAVIA** M.G. Pimenov & T.V. Lavrova in Bot.

- Zhurn., 72(1): 36 (1987). **UMBELLIFERAE**.  
*kultiassovii* (*Korov.*) *M.G. Pimenov & T.V. Lavrova in Bot. Zhurn.*, 72(1): 36 (1987): *Selinum kultiassovii*.

**KARIVIA** G.A.W. Arnott in Madras J. Lit. Sci., 12: 50

- (1840). **CUCURBITACEAE**.

**KARNATAKA** P.K. Mukherjee & L. Constance in

- Brittonia*, 38(2): 145 (1986). **UMBELLIFERAE**.  
*benthamii* (*C.B. Clarke*) *P.K. Mukherjee & L. Constance in Brittonia*, 38(2): 145 (1986): *Schultzia ? benthamii*.

**KAROMIA** (Verbenac.).

- sect. Cyclonemoides R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 36 (1985 publ. 1988).  
*humbertii* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 37 (1985 publ. 1988): *Holmskioldia humbertii*.  
*macrocalyx* (*Bak.*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 37 (1985 publ. 1988): *Vitex macrocalyx* (as 'microcalyx').  
*f. glabrescens* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 37 (1985 publ. 1988): *Holmskioldia macrocalyx var. glabrescens* (as 'microcalyx').  
*madagascariensis* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 38 (1985 publ. 1988): *Holmskioldia madagascariensis*.  
*microphylla* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 38 (1985 publ. 1988): *Holmskioldia microphylla*.  
*f. glabrescens* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 38 (1985 publ. 1988): *Holmskioldia microphylla var. glabrescens*.  
*mira* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 38 (1985 publ. 1988): *Holmskioldia mira*.  
*var. fissa* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 39 (1985 publ. 1988): *Holmskioldia mira var. fissa*.  
*speciosa* (*Hutch. & Corbish.*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 43 (1985 publ. 1988): *Holmskioldia speciosa*.  
*f. alba* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 44 (1985 publ. 1988): *Holmskioldia tettensis f. alba*.  
*f. flava* (*Moldenke*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 44 (1985 publ. 1988): *Holmskioldia tettensis f. flava*.

**KAROMIA** :-

- tettensis* (*Klotzsch*) *R.B. Fernandes in Garcia de Orta, Ser. Bot.*, 7(1–2): 39 (1985 publ. 1988): *Cyclonema tettense*.

**KARWINSKIA** (Rhamnac.).

- johnstonii R. Fernández Nava in Acta Bot. Mex.*, 2: 18 (1988)—Mexico.  
*rzedowskii R. Fernández Nava in Acta Bot. Mex.*, 2: 11 (1988)—Mexico.  
*venturae R. Fernández Nava in Acta Bot. Mex.*, 2: 14 (1988)—Mexico.

**KEDARNATHA** P.K. Mukherjee & L. Constance in

- Brittonia*, 38(2): 147 (1986). **UMBELLIFERAE**.  
*sanctuarii P.K. Mukherjee & L. Constance in Brittonia*, 38(2): 147 (1986)—India.

**KEETIA** (Rubiace.).

- acuminata* (*De Wild.*) *D.M. Bridson in Kew Bull.*, 41(4): 985 (1986): *Plectronia acuminata*.  
*angustifolia D.M. Bridson in Kew Bull.*, 41(4): 971 (1986)—Rwanda, Burundi, Uganda.  
*carmichaelii D.M. Bridson in Kew Bull.*, 41(4): 984 (1986)—Tanzania.  
*cornelia* (*Cham. & Schlecht.*) *D.M. Bridson in Kew Bull.*, 41(4): 985 (1986): *Canthium cornelia*.  
*ferruginea D.M. Bridson in Kew Bull.*, 41(4): 977 (1986)—Tanzania.  
*foetida* (*Hiern*) *D.M. Bridson in Kew Bull.*, 41(4): 981 (1986): *Canthium foetidum*.  
*gracilis* (*Hiern*) *D.M. Bridson in Kew Bull.*, 41(4): 986 (1986): *Canthium gracile*.  
*gueinzii* (*Sond.*) *D.M. Bridson in Kew Bull.*, 41(4): 970 (1986): *Canthium gueinzii*.  
*hispida* (*Benth.*) *D.M. Bridson in Kew Bull.*, 41(4): 986 (1986): *Canthium hispidum*.  
*inaequilatera* (*Hutch. & Dalz.*) *D.M. Bridson in Kew Bull.*, 41(4): 987 (1986): *Canthium inaequilaterum*.  
*koritschoneri D.M. Bridson in Kew Bull.*, 41(4): 984 (1986)—Tanzania.  
*leucantha* (*K. Krause*) *D.M. Bridson in Kew Bull.*, 41(4): 987 (1986): *Plectronia leucantha*.  
*mannii* (*Hiern*) *D.M. Bridson in Kew Bull.*, 41(4): 988 (1986): *Canthium mannii*.  
*molundensis* (*K. Krause*) *D.M. Bridson in Kew Bull.*, 41(4): 976 (1986): *Plectronia molundensis*.  
*var. macrostipulata* (*De Wild.*) *D.M. Bridson in Kew Bull.*, 41(4): 976 (1986): *Plectronia macrostipulata*.  
*multiflora* (*Schum. & Thonn.*) *D.M. Bridson in Kew Bull.*, 41(4): 988 (1986): *Psychotria multiflora*.  
*procteri D.M. Bridson in Kew Bull.*, 41(4): 981 (1986)—Tanzania.  
*purpurascens* (*Bullock*) *D.M. Bridson in Kew Bull.*, 41(4): 981 (1986): *Canthium purpurascens*.  
*purseglovei D.M. Bridson in Kew Bull.*, 41(4): 972 (1986)—Uganda, Cameroun, Zaïre.  
*ripace* (*De Wild.*) *D.M. Bridson in Kew Bull.*, 41(4): 989 (1986): *Plectronia ripae*.  
*rubens* (*Hiern*) *D.M. Bridson in Kew Bull.*, 41(4): 989 (1986): *Canthium rubens*.  
*rufivillosa* (*Robyns ex Hutch. & Dalz.*) *D.M. Bridson in Kew Bull.*, 41(4): 990 (1986): *Canthium rufivillosum*.  
*rwandensis D.M. Bridson in Kew Bull.*, 41(4): 990 (1986)—Rwanda.  
*tenuiflora* (*Hiern*) *D.M. Bridson in Kew Bull.*, 41(4): 982 (1986): *Canthium tenuiflorum*.  
*venosa* (*Oliv.*) *D.M. Bridson in Kew Bull.*, 41(4): 974 (1986): *Plectronia venosa*.  
*venosissima* (*Hutch. & Dalz.*) *D.M. Bridson in Kew Bull.*, 41(4): 991 (1986): *Canthium venosissima*.  
*zanzibarica* (*Klotzsch*) *D.M. Bridson in Kew Bull.*, 41(4): 979 (1986): *Canthium zanzibaricum*.  
*subsp. cornelioides* (*De Wild.*) *D.M. Bridson in Kew Bull.*, 41(4): 979 (1986): *Plectronia cornelioides*.  
*subsp. gentilii* (*De Wild.*) *D.M. Bridson in Kew Bull.*, 41(4): 980 (1986): *Plectronia gentilii*.

**KEFERSTEINIA** (Orchidac.).

- andreettae G. Gerlach, T. Neudecker & H.G. Seeger in Orchidee*, 40(4): 133 (1989)—Ecuador.  
*bismarckii C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 1: t. 83 (1989)—Peru.  
*chocoensis G. Gerlach & K. Senghas in Orchidee*, 41(2): 45 (1990)—Colombia.

**KEFERSTEINIA** :-

- guacamayoana C.H. Dodson & Hirtz in Ic. Pl. Trop.*, Ser. 2, 6: t. 504 (1989)—Ecuador.  
*hirtzii C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 505 (1989)—Ecuador.  
*lafontainei K. Senghas & G. Gerlach in Orchidee*, 41(2): 47 (1990)—French Guiana.  
*pastorellii C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 1: t. 85 (1989)—Peru.  
*pellita Rchb. f. ex C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 1: t. 86 (1989)—Ecuador, Peru.  
*vasquezii C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 4: t. 345 (1989)—Bolivia.

**KEIRIA** S. Bowdich in T.E. Bowdich, Exc. Madeira:

- 258–259 (1825); cf. *D.J. Mabberley in Bot. Macaronesica*, 6: 61 (1980). **VITACEAE?**  
*lutea S. Bowdich in T.E. Bowdich, Exc. Madeira*: 258–259 (1825); cf. *D.J. Mabberley in Bot. Macaronesica*, 6: 61 (1980)—Gambia.

**KEISKEA** (Labiata.).

- elsholtzioides*  
*f. purpurea X.H. Guo in Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 137 (1987)—China.

**KELLERIA** (Thymelaeac.).

- laxa* (*Cheeseman*) *M.J. Heads in Fl. Australia*, 18: 323, 134 (1990): *Drapetes dieffenbachii var. laxa*.  
*lyallii* (*Hook.f.*) *S. Berggren in Minneskr. Fisiogr. Sällsk. Lund*, 8: 20 (1878): *Drapetes lyallii*.

**KENGIA** (Gramin.).

- hackelii*  
*subsp. nakaii* (*Keng*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 513 (1987): *Cleistogenes chinensis var. nakaii*.

**KENGYILIA** C. Yen & J.L. Yang in Canad. J. Bot.,

- 68(9): 1897 (1990). **GRAMINEAE**.  
*gobicola C. Yen & J.L. Yang in Canad. J. Bot.*, 68(9): 1897 (1990)—Xinjiang.

**KERNERA** (Crucif.).

- auriculata* (*Lam.*) *Sweet, Hort. Brit.*: 467 (1827); cf. *D.J. Mabberley in Taxon*, 31(1): 71 (1982): *Basionym* not stated.  
*saxatilis* (*L.*) *Sweet, Hort. Brit.*, 467 (1827); cf. *D.J. Mabberley in Taxon*, 31(1): 71 (1982): *Basionym* not stated.

**KERRIA** (Rosac.).

- japonica*  
*var. denticulata L.C. Wang & X.G. Sun in Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 45 (1990)—China.

**KERRIOTHYRSUS** C. Hansen in Willdenowia,

- 17(1–2): 154 (1988). **MELASTOMATACEAE**.  
*tetrandrus* (*Nayar*) *C. Hansen in Willdenowia*, 17(1–2): 154 (1988): *Scorpiothyrsus tetrandrus*.

**KETELEERIA** (Pinac.).

- davidiana*  
*var. calcarea* (*Cheng & Fu*) *J. Silba in Phytologia*, 68(1): 34 (1990): *K. calcarea*.  
*var. pubescens* (*Cheng & Fu*) *J. Silba in Phytologia*, 68(1): 34 (1990): *K. pubescens*.  
*evelyniana*  
*var. hainanensis* (*Chun & Tsiang*) *J. Silba in Phytologia*, 68(1): 35 (1990): *K. hainanensis*.  
*var. roulletii* (*A. Cheval.*) *J. Silba in Phytologia*, 68(1): 35 (1990): *Tsuga roulletii*.  
*fortunei*  
*var. cyclolepis* (*Flous*) *J. Silba in Phytologia*, 68(1): 35 (1990): *K. cyclolepis*.  
*var. xerophila* (*Hsueh & Hao*) *J. Silba in Phytologia*, 68(1): 36 (1990): *K. xerophila*.

**KHAYA** A. Jussieu in Mirb. & Cass. apud Guill. in

- Bull. Sci. Nat. Geol.*, 23: 238 (1830); cf. *D.J. Mabberley in Taxon*, 31(1): 66 (1982). **MELIACEAE**.

**KIBATALIA** (Apocynac.).

- villosa Rudjiman in Agric. Univ. Wageningen Pap.*, 86(5): 82 (1986 publ. 1987)—Borneo (Kalimantan, Sarawak), Malaya.

**KICKXIA** (Scrophulariac.).

- abhaica D.A. Sutton, *Revis. tribe Antirrhineae*: 241 (1988)—Saudi Arabia.
- acerbiana  
   *subsp. montana* (Betsche) D. Heller in D. Heller & C.C. Heyn, *Conspect. Fl. Oriental.*, 4: 42 (1987), without basionym ref.: Basionym not stated.
- adpressa D.A. Sutton, *Revis. tribe Antirrhineae*: 200 (1988)—Kenya.
- aegyptiaca  
   *subsp. fruticosa* (Desf.) M. Qaiser in *Fl. Libya*, 88: 65 (1982): *Linaria fruticosa*.
- cabulica (Benth.) D.A. Sutton, *Revis. tribe Antirrhineae*: 196 (1988): *Linaria cabulica*.
- colletteana D.A. Sutton, *Revis. tribe Antirrhineae*: 208 (1988)—Saudi Arabia.
- corallicola D.A. Sutton, *Revis. tribe Antirrhineae*: 225 (1988)—Saudi Arabia.
- dentata (Vahl) D.A. Sutton, *Revis. tribe Antirrhineae*: 184 (1988): *Antirrhinum dentatum*.
- elatine  
   *subsp. bombycina* (Boiss. & Bl.) J. Chrtek in *Čas. Nár. Muz. (Prague)*, 153(2): 99 (1984): *Linaria bombycina*.
- subsp. caucasica* (Mussin) J. Chrtek in *Čas. Nár. Muz. (Prague)*, 153(2): 99 (1984): *Linaria caucasica*.
- elegans (G. Forster) D.A. Sutton, *Revis. tribe Antirrhineae*: 211 (1988): *Antirrhinum elegans*.
- glaberrima (J.A. Schmidt) D.A. Sutton, *Revis. tribe Antirrhineae*: 215 (1988): *Linaria brunneri* var. *glaberrima*.
- gracilis D.A. Sutton, *Revis. tribe Antirrhineae*: 222 (1988), nom. nov.: *Linaria gracilis* R. Br. ex Benth.
- hartlii (Betsche) D. Heller in D. Heller & C.C. Heyn, *Conspect. Fl. Oriental.*, 4: 43 (1987): *Pogonorrhinum hartlii*.
- heterophylla  
   *subsp. canariensis* V.W. Smith in D.A. Sutton, *Revis. tribe Antirrhineae*: 220 (1988)—Canary Is.
- kasalensis V.W. Smith in D.A. Sutton, *Revis. tribe Antirrhineae*: 223 (1988)—Sudan.
- membranacea D.A. Sutton, *Revis. tribe Antirrhineae*: 191 (1988)—Bhutan.
- monodiana (Maire) G. Alziar in *Biocosme Mésogéen*, 5(3–4): 86 (1988): *Linaria monodiana*.
- petiolata D.A. Sutton, *Revis. tribe Antirrhineae*: 244 (1988)—Yemen.
- pseudoscaparia V.W. Smith & D.A. Sutton in D.A. Sutton, *Revis. tribe Antirrhineae*: 231 (1988)—Saudi Arabia.
- qaraica D.A. Sutton, *Revis. tribe Antirrhineae*: 227 (1988)—Oman.
- sabarum V.W. Smith & D.A. Sutton in D.A. Sutton, *Revis. tribe Antirrhineae*: 233 (1988)—Yemen.
- saccata D.A. Sutton, *Revis. tribe Antirrhineae*: 246 (1988)—Yemen.
- scalarum D.A. Sutton, *Revis. tribe Antirrhineae*: 237 (1988)—Yemen.
- spiniflora (Schwartz) D.A. Sutton, *Revis. tribe Antirrhineae*: 229 (1988): *Linaria spiniflora*.
- woodii D.A. Sutton, *Revis. tribe Antirrhineae*: 239 (1988)—Yemen, ?South Yemen.

**KIELMEYERA** (Guttif.).

- abditia N. Saddi in *Kew Bull.*, 42(1): 221 (1987)—Brazil.
- var. linearifolia* N. Saddi in *Bradea*, 4(42): 342 (1987)—Brazil.
- albopunctata N. Saddi in *Rodriguésia*, 36(60): 61 (1984)—Brazil.
- altissima N. Saddi in *Bradea*, 4(42): 341 (1987)—Brazil.
- bifaria N. Saddi in *Kew Bull.*, 42(1): 223 (1987)—Brazil.
- coriacea  
   *var. glabripes* N. Saddi in *Bradea*, 4(35): 283 (1986)—Brazil.
- var. guiaensis* N. Saddi in *Bradea*, 4(35): 283 (1986)—Brazil.
- var. intermedia* N. Saddi in *Bradea*, 4(35): 283 (1986)—Brazil.
- var. pseudotomentosa* N. Saddi in *Bradea*, 4(35): 283 (1986)—Brazil.
- subsp. tomentosa* (Camb.) N. Saddi in *Bradea*, 4(35): 283 (1986): *K. tomentosa*.

**KIELMEYERA** :-

- corymbosa  
   *var. glaziouana* N. Saddi in *Bradea*, 4(35): 284 (1986), as 'glaziouiana'—Brazil.
- var. oligantha* N. Saddi in *Bradea*, 4(35): 284 (1986)—Brazil.
- decipiens N. Saddi in *Rodriguésia*, 36(60): 60 (1984)—Brazil.
- divergens N. Saddi in *Rodriguésia*, 36(60): 61 (1984)—Brazil.
- insignis N. Saddi in *Rodriguésia*, 36(60): 60 (1984)—Brazil.
- itacarensis N. Saddi in *Bradea*, 4(42): 341 (1987)—Brazil.
- lathrophyton N. Saddi in *Kew Bull.*, 42(1): 225 (1987)—Brazil.
- obtecta N. Saddi in *Bradea*, 4(42): 338 (1987)—Brazil.
- occhioniana N. Saddi in *Rodriguésia*, 36(60): 62 (1984)—Brazil.
- paranaensis N. Saddi in *Rodriguésia*, 36(60): 43 (1984)—Brazil.
- petiolaris  
   *var. cipoensis* N. Saddi in *Bradea*, 4(35): 284 (1986)—Brazil.
- pumila  
   *var. wawraia* N. Saddi in *Bradea*, 4(35): 284 (1986), as 'wawraiana'—Brazil.
- regalis N. Saddi in *Kew Bull.*, 42(1): 227 (1987)—Brazil.
- rizziniana N. Saddi in *Rodriguésia*, 36(60): 60 (1984)—Brazil.
- rubriflora  
   *var. affinis* N. Saddi in *Bradea*, 4(35): 285 (1986)—Brazil.
- var. major* N. Saddi in *Bradea*, 4(35): 285 (1986)—Brazil.
- rufotomentosa N. Saddi in *Rodriguésia*, 36(60): 62 (1984)—Brazil.
- sigillata N. Saddi in *Rodriguésia*, 36(60): 63 (1984)—Brazil.
- similis N. Saddi in *Bradea*, 4(42): 340 (1987)—Brazil.
- trichophora N. Saddi in *Bradea*, 4(42): 339 (1987)—Brazil.
- variabilis  
   *var. robusta* N. Saddi in *Bradea*, 4(35): 285 (1986)—Brazil.
- var. stenophylla* N. Saddi in *Bradea*, 4(35): 286 (1986)—Brazil.

**KINGDON-WARDIA** (Gentianac.).

- racemosa (Griseb.) T.N. He in *Fl. Xizangica*, 3: 982 (1986): *Ophelia racemosa*.

**KINGHAMIA** C. Jeffrey in *Kew Bull.*, 43(2): 274 (1988). **COMPOSITAE**.

- angustifolia (Benth.) C. Jeffrey in *Kew Bull.*, 43(2): 275 (1988): *Gymnanthemum angustifolium*.
- engleriana (Muschl.) C. Jeffrey in *Kew Bull.*, 43(2): 275 (1988): *Centrantherum englerianum*.
- foliosa (O. Hoffm.) C. Jeffrey in *Kew Bull.*, 43(2): 275 (1988): *Gutenbergia foliosa*.
- macrocephala (Oliv. & Hiern) C. Jeffrey in *Kew Bull.*, 43(2): 275 (1988): *Gutenbergia macrocephala*.
- nigritana (Benth.) C. Jeffrey in *Kew Bull.*, 43(2): 275 (1988): *Oiospermum nigritanum*.

**KINGIDIUM** (Orchidac.).

- braceanum (Hk. f.) G. Seidenfaden in *Op. Bot.*, 95: 187 (1988): *Doritis braceana*.
- minus G. Seidenfaden in *Op. Bot.*, 95: 188 (1988)—Thailand.

**KIONOPHYTON** (Orchidac.).

- riodelayensis (Burns-Balogh) P.M. Catling in *Lindleyana*, 4(4): 186 (1989): *Deiregyne riodelayensis*.

**KITAGAWIA** M.G. Pimenov in *Bot. Zhurn.*, 71(7): 943 (1986). **UMBELLIFERAE**.

- baicalensis (Redow. ex Willd.) M.G. Pimenov in *Bot. Zhurn.*, 71(7): 944 (1986): *Selinum baicalense*.
- eryngiifolia (Kom.) M.G. Pimenov in *Bot. Zhurn.*, 71(7): 948 (1986): *Peucedanum eryngiifolium*.
- komarovii M.G. Pimenov in *Bot. Zhurn.*, 71(7): 948 (1986), nom. nov.: *Peucedanum elegans* Kom.
- litoralis (Worosch. & Gorovoi) M.G. Pimenov in *Bot. Zhurn.*, 71(7): 948 (1986): *Peucedanum litorale*.

**KITAGAWIA** :-

- terebinthacea (Fisch. ex Spreng.) M.G. Pimenov in *Bot. Zhurn.*, 71(7): 944 (1986): *Selinum terebinthaceum*.
- subsp. trichotheca* M.G. Pimenov in *Bot. Zhurn.*, 71(7): 947 (1986)—U.S.S.R. (Soviet Far East), Mongolia, China, Sakhalin Is., Kuril Is., Japan.

**KLAPROTHIA** (Loasac.).

- fasciculata (K. Presl) M.S. Poston in *Syst. Bot.*, 15(4): 677 (1990): *Sclerothrix fasciculata*.

**×KLEHMARA** hort. in *Orchid Rev.*, 98(1155): centre page pull-out p. 10 (1990). **ORCHIDACEAE**. (*Diacrium* × *Laelia* × *Schomburgkia*).**KLEINIA** (Compos.).

- subgen. Notonia* (DC.) C. Jeffrey in *Kew Bull.*, 41(4): 926 (1986): gen. *Notonia*.
- abyssinica  
   *var. hildebrandtii* (Vatke) C. Jeffrey in *Kew Bull.*, 41(4): 928 (1986): *Notonia hildebrandtii*.
- balsamica (Dolz. & Gibs.) P. Halliday in *Kew Bull.*, 42(2): 442 (1987): *Notonia balsamica*.
- breviflora C. Jeffrey in *Kew Bull.*, 41(4): 925 (1986)—Kenya, Tanzania.
- carnosa (Ait.) Endl., *Cat. Horti Vindob.*, 1: 378 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.
- dolichocoma C. Jeffrey in *Kew Bull.*, 41(4): 925 (1986)—Kenya, Somali Republic.
- grandiflora  
   *var. major* (Ramasw.) B.P. Uniyal in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 47 (1988): *Notonia grandiflora* var. *major*.
- gregorii (S. Moore) C. Jeffrey in *Kew Bull.*, 41(4): 927 (1986): *Notonia gregorii*.
- gypsophila J.P. Lebrun & A.L. Stork in *Bull. Mus. Nat. Hist. Nat., B. Adansonie*, Ser. 4, 11(4): 413 (1989 publ. 1990)—Ethiopia.
- ×hintermannii (Gattef. & Maire) G. Kunkel in *Gartenpraxis*, 14(1): 50 (1988): *Senecio* × *hintermannii*.
- implexa (Bally) C. Jeffrey in *Kew Bull.*, 41(4): 926 (1986): *Senecio implexus*.
- leptophylla C. Jeffrey in *Kew Bull.*, 41(4): 927 (1986)—Kenya, Ethiopia.
- longifolia A.H. Haworth, *Revis. Pl. Succ.*: 193 (1821)—Locality not stated.
- madagascariensis (Humbert) P. Halliday in *Hooker's Icon. Pl.*, 39(4): t. 3894 (1988): *Notonia madagascariensis*.
- mweeroensis (Bak.) C. Jeffrey in *Kew Bull.*, 41(4): 927 (1986): *Senecio mweeroensis*.
- obesa (Deflers) P. Halliday in *Hooker's Icon. Pl.*, 39(4): t. 3892 (1988): *Notonia obesa*.
- oligodontia C. Jeffrey in *Kew Bull.*, 41(4): 926 (1986)—Tanzania, Kenya.
- patriciae C. Jeffrey in *Kew Bull.*, 41(4): 927 (1986)—Tanzania.
- ×peregrina G. Kunkel in *Gartenpraxis*, 14(1): 52 (1988), contrary to Art. 9.5 ICBN (1983)—Cultivation.
- petraea (R.E. Fr.) C. Jeffrey in *Kew Bull.*, 41(4): 926 (1986): *Notonia petraea*.
- picticaulis (Bally) C. Jeffrey in *Kew Bull.*, 41(4): 927 (1986): *Senecio picticaulis*.
- rowleyana (Jacobsen) G. Kunkel in *Gartenpraxis*, 14(1): 52 (1988): *Senecio rowleyanus*.
- scottii (Balf. f.) P. Halliday in *Hooker's Icon. Pl.*, 39(4): t. 3897 (1988): *Senecio scottii*.
- scottioides C. Jeffrey in *Kew Bull.*, 41(4): 925 (1986)—Kenya, Uganda.
- shevaroyensis (Fyson) B.P. Uniyal in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 47 (1988): *Notonia shevaroyensis*.
- subulifolia (Chiov.) P. Halliday in *Hooker's Icon. Pl.*, 39(4): t. 3885 (1988): *Monadenium subulifolium*.
- vermicularis C. Jeffrey in *Kew Bull.*, 41(4): 928 (1986)—Tanzania.
- walkeri (Clarke) B.P. Uniyal in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 48 (1988): *Notonia walkeri*.

**×KNAPPARA** hort. in *Orchid Rev.*, 94(1109): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (*Ascozentrum* × *Rhynchostylis* × *Vanda* × *Vandopsis*).



**KNAUTIA** (Dipsacac.).

- hybrida (All.) Hort. ex Lag., *Elenchus*: 9 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982); Basionym not stated.  
lebrunii J. Prudhomme in *Bull. Mens. Soc. Linn. Lyon*, 56(4): 113 (1987)—France.

**KNEIFFIA** (Onagrac.).

- gracilis (Fisch. & Mey.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1837: 4 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983); Basionym not stated.  
serotina (Lehm.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1837: 4 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983); *Oenothera serotina*.

**KNEMA** (Myristicac.).

- glauca  
var. riparia W.J.F.O. de Wilde in *Blumea*, 32(1): 126 (1987)—Borneo (Sarawak).  
lateritica  
var. subtilis W.J.F.O. de Wilde in *Blumea*, 32(1): 118 (1987)—Philippine Is.  
mogeana W.J.F.O. de Wilde in *Blumea*, 32(1): 136 (1987)—Borneo (Kalimantan, Sarawak, Sabah).  
riangensis W.J.F.O. de Wilde in *Blumea*, 32(1): 138 (1987)—Borneo (Kalimantan, Sarawak).  
stenophylla  
subsp. longipedicellata (Sinclair) W.J.F.O. de Wilde in *Blumea*, 32(1): 130 (1987); *K. cinerea* f. longipedicellata.  
stylosa (de Wilde) W.J.F.O. de Wilde in *Blumea*, 32(1): 119 (1987); *K. hirtella* var. *stylosa*.  
subhirtella W.J.F.O. de Wilde in *Blumea*, 32(1): 131 (1987)—Borneo (Sarawak, Sabah).  
viridis W.J.F.O. de Wilde in *Blumea*, 32(1): 121 (1987)—Borneo (Sarawak).

**KNIPHOFIA** (Asphodelac.).

- albomontana H. Baijnath in *S. Afr. J. Bot.*, 53(4): 307 (1987)—South Africa (Natal).  
angustifolia (Bak.) L.E. Codd in *Bothalia*, 16(2): 231 (1986); *K. natalensis* var. *angustifolia*.  
bruceae (Codd) L.E. Codd in *Bothalia*, 17(2): 185 (1987); *K. praecox* subsp. *bruceae*.  
ichopensis  
var. aciformis L.E. Codd in *Bothalia*, 16(2): 231 (1986)—South Africa (Natal).  
media (Ker) Endl., *Cat. Horti Vindob.*, 1: 110 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984); Basionym not stated.

**KNORRINGIA** (Czukav.) N.N. Tsvelev in *Novosti*

- Sist. Vÿssh. Rast.*, 24: 76 (1987); *Polygonum* sect. *Knorringia* (Polygonac.).  
pamirica (Korsch.) N.N. Tsvelev in *Novosti Sist. Vÿssh. Rast.*, 24: 76 (1987); *Polygonum pamiricum*.  
sibirica (Laxm.) N.N. Tsvelev in *Novosti Sist. Vÿssh. Rast.*, 24: 76 (1987); *Polygonum sibiricum*.

**KNORRINGIA** (Czuk.) S.P. Hong in *Nordic J. Bot.*,

- 9(4): 351 (1989 publ. 1990), isonym; see N.N. Tsvelev in *Novosti Sist. Vÿssh. Rast.*, 24: 76 (1987); *Polygonum* sect. *Knorringia* (Polygonac.).  
sibirica (Laxman) S.P. Hong in *Nordic J. Bot.*, 9(4): 351 (1989 publ. 1990), isonym; see N.N. Tsvelev in *Novosti Sist. Vÿssh. Rast.*, 24: 76 (1987); *Polygonum sibiricum*.  
subsp. thomsonii (Meisner) S.P. Hong in *Nordic J. Bot.*, 9(4): 354 (1989 publ. 1990); *Polygonum sibiricum* var. *thomsonii*.

**KNOXIA** (Rubiace.).

- hedyotoidea (K. Schum.) C. Puff & E. Robbrecht in *Bot. Jahrb.*, 110(4): 548 (1989); *Baumannia hedyotoidea*.  
manika (Verdcourt) C. Puff & E. Robbrecht in *Bot. Jahrb.*, 110(4): 548 (1989); *Afroknoxia manika*.

**KOANOPHYLLON** (Compos.).

- guerreroana B.L. Turner in *Phytologia*, 63(3): 203 (1987)—Mexico.  
monanthum (Schultz-Bip.) T.J. Ayers & B.L. Turner in *Sida*, 13(3): 341 (1989); *Eupatorium monanthum*.  
rzedowskii B.L. Turner in *Phytologia*, 63(3): 203 (1987)—Mexico.  
sinaloensis B.L. Turner in *Phytologia*, 63(3): 202 (1987)—Mexico.

**KOANOPHYLLON** :-

- tripartitum B.L. Turner in *Phytologia*, 63(6): 413 (1987)—Mexico.

**KOBRESIA** (Cyperac.).

- bistaminata W.Z. Di & M.J. Zhong in *Acta Bot. Bor.-Occid. Sin.*, 6(4): 275 (1986)—China.  
burangensis Y.C. Yang in *Fl. Xizangica*, 5: 374 (1987)—Xizang.  
cercostachya  
var. capillacea P.C. Li in *Acta Bot. Yunnanica*, 12(1): 17 (1990)—Xizang, China.  
curticepis  
var. gyirongensis Y.C. Yang in *Fl. Xizangica*, 5: 391 (1987)—Xizang.  
daqingshanica X.Y. Mao in *Acta Sci. Nat. Univ. Intramongolicae*, 19(2): 341 (1988)—China.  
esbirajbhandarii K.R. Rajbhandari & H. Ohba in *J. Jap. Bot.*, 62(9): 272 (1987)—Nepal.  
falcata Wang & Tang ex P.C. Li in *Acta Bot. Yunnanica*, 12(1): 18 (1990)—China.  
harae K.R. Rajbhandari & H. Ohba in *J. Jap. Bot.*, 62(7): 193 (1987), as 'harai'—Nepal.  
helanshanica W.Z. Di & M.J. Zhong in *Acta Bot. Bor.-Occid. Sin.*, 5(4): 311 (1985)—China.  
inflata P.C. Li in *Acta Bot. Yunnanica*, 12(1): 16 (1990), contrary to Art. 37.5 ICBN (1988)—Xizang, China.  
lacustris P.C. Li in *Acta Bot. Yunnanica*, 12(1): 14 (1990)—China.  
lepidochlamys Wang & Tang ex P.C. Li in *Acta Bot. Yunnanica*, 12(1): 15 (1990)—China.  
liaceae Wang & Tang ex P.C. Li in *Acta Bot. Yunnanica*, 12(1): 13 (1990)—China.  
longearistata P.C. Li in *Acta Bot. Yunnanica*, 12(1): 16 (1990)—China.  
mallae K.R. Rajbhandari & H. Ohba in *J. Jap. Bot.*, 62(9): 270 (1987)—Nepal.  
pinetorum Wang & Tang ex P.C. Li in *Acta Bot. Yunnanica*, 12(1): 14 (1990)—China.  
prainii  
var. elliptica Y.C. Yang in *Fl. Xizangica*, 5: 387 (1987)—Xizang.  
simpliciuscula  
var. subfilifolia (Egor., Jurtz. & Petrovsky) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 229 (1988), without basionym ref.: Basionym not stated.  
var. subgolarctica (Egor.) A.E. Kozhevnikov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 229 (1988); *K. simpliciuscula* subsp. *subgolarctica*.  
stenocarpa  
var. simplex Y.C. Yang in *Fl. Xizangica*, 5: 395 (1987)—Xizang.  
yadongensis Y.C. Yang in *Fl. Xizangica*, 5: 387 (1987)—Xizang.

**KOEHNERIA** S.A. Graham, H. Tobe & P. Baas in

- Ann. Missouri Bot. Gard.*, 73(4): 805 (1986 publ. 1987). *LYTHRACEAE*.  
madagascariensis (Baker) S.A. Graham, H. Tobe & P. Baas in *Ann. Missouri Bot. Gard.*, 73(4): 806 (1986 publ. 1987); *Lagerstroemia madagascariensis*.

**KOELERIA** (Gramin.).

- arenaria (Dumort.) B.D. Jackson in *Index Kewensis*, 2: 10 (1753–1885 publ. 1894); *K. cristata* \* (subsp.) arenaria.  
arenaria (Dumortier) H.J. Conert in *G. Hegi, Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 4): 270 (1987), isonym: *K. cristata* subsp. \* *K. arenaria*.  
calarashica M.G. Kalenichenko in *Bot. Zhurn.*, 71(1): 91 (1986)—U.S.S.R. (Moldavia).  
cristata  
subsp. ascondensis (Roshev.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990); *K. ascondensis*.  
subsp. helvetica (Domin) H.J. Conert in *G. Hegi, Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 4): 267 (1987); *K. gracilis* subsp. *helvetica*.  
subsp. hirsutiflora (Domin) N.V. Vlasova in *Fl. Sibir. (Poaceae)*, 2: 81 (1990); *K. gracilis* var. *hirsutiflora*.  
dactylis Chaubard in Bory & Chaubard, *Nouv. Fl. Pélop.*: 6 (1838)—Locality not stated.

**KOELERIA** :-

- delavignei  
subsp. veresczaginii Tzvel. ex N.V. Vlasova in *Bot. Zhurn.*, 72(12): 1667 (1987)—U.S.S.R. (Siberia).  
mannagettiae (Domin) D. Prain in *Index Kewensis*, Suppl. 4: (1906–10 publ. 1913); *K. alpigena* \* mannagettiae.  
narbonnensis (Domin) D. Prain in *Index Kewensis*, Suppl. 4: 135 (1906–10 publ. 1913); *K. gracilis* subsp. *narbonnensis*.  
pontarlieri (Domin) D. Prain in *Index Kewensis*, Suppl. 4: 135 (1906–10 publ. 1913); *K. albescens* subsp. *pontarlieri*.  
schroeteriana (Domin) D. Prain in *Index Kewensis*, Suppl. 4: 135 (1906–10 publ. 1913); *K. eriostachya* subsp. *schroeteriana*.  
subspicata (L.) Schrad. ex Mart., *Hort. Acad. Erlangen*: 40 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984); Basionym not stated.  
taurica M.G. Kalenichenko in *Bot. Zhurn.*, 71(1): 91 (1986)—U.S.S.R. (Crimea).  
tzvelevii N.V. Vlasova in *Bot. Zhurn.*, 72(12): 1668 (1987)—U.S.S.R. (Siberia).

**KOELLENSTEINIA** (Orchidac.).

- abaetana L.P. de Queiroz in *Rev. Brasil. Bot.*, 10(1): 21 (1987)—Brazil.

**KOENIGIA** (Polygonac.).

- delicatula  
subsp. relicta O. Hedberg in *J. Jap. Bot.*, 63(3): 73 (1988)—Xizang, Burma, China.

**KOHAUTIA** (Rubiace.).

- caespitosa  
subsp. amaniensis (K. Krause) Mantell ex C. Puff, *Rubiaceae Fl. Ethiopia Area*: 31 (1989), without basionym ref.: *Oldenlandia amaniensis*.  
subsp. brachyloba (Sonder) D. Mantell in *Fl. Zambes.*, 5(1): 88 (1989); *Hedyotis brachyloba*.  
microflora D. Mantell in *Fl. Zambes.*, 5(1): 90 (1989)—Botswana, Namibia, South Africa (Cape Province, Transvaal).  
subverticillata (K. Schum.) D. Mantell in *Fl. Zambes.*, 5(1): 89 (1989); *Oldenlandia subverticillata*.  
subsp. eritreensis (Bremek.) Mantell ex C. Puff, *Rubiaceae Fl. Ethiopia Area*: 31 (1989), without basionym ref.: *K. lasiocarpa* var. *eritreensis*.

**KONIGA** (Crucif.).

- nummularia (Ehrbg.) Bunge, *Del. Sem. Hort. Bot. Dorpat.*, 1837; *Linnaea* 12, Lit.: 72 (?1839); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983); Basionym not stated.

**KOPSIA** (Apocynac.).

- deverrei L. Allorge in *Phytologia*, 59(2): 93 (1986)—Malaya.

**KORSHINSKYA** (Umbellif.).

- rapifera (Gilli) Podlech & K.H. Rechinger in *Fl. Iran.*, 162: 261 (1987); *Bupleurum rapiferum*.

**KORTHALSELLA** (Viscac.).

- japonica  
var. fasciculata (Van Tiegh.) H.S. Kiu in *Fl. Yunnanica*, 3: 374 (1983); *Bifaria fasciculata*.

**KOSTELETZKYA** (Malvac.).

- flavicentrum P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 549 (1987)—Mexico.

**KOYAMAEA** W.W. Thomas & G. Davidse in *Syst. Bot.*,

- 14(2): 189 (1989). *CYPERACEAE*.  
neblinensis W.W. Thomas & G. Davidse in *Syst. Bot.*, 14(2): 189 (1989)—Venezuela, Brazil.

**KRAMERIA** (Krameriace.).

- bahiana B.B. Simpson in *Brittonia*, 39(2): 198 (1987)—Brazil.

**KRYPTOSTOMA** (Orchidac.).

- geerinckiana M. Schajjes in *Bull. Jard. Bot. Nation. Belg.*, 57(3–4): 483 (1987)—Zaire.

**KUBITZKIA** H. van der Werff in *Taxon*, 35(1): 165 (1986), nom. nov.: gen. *Systemonodaphne* Mez. (Laurac.).  
*macrantha* (Kostermans) H. van der Werff in *Taxon*, 35(1): 165 (1986): *Systemonodaphne macrantha*.  
*mezii* (Kostermans) H. van der Werff in *Taxon*, 35(1): 165 (1986): *Systemonodaphne mezii*.

**KUDRJASCHEVIA** (Labiata).  
*grubovii* T.F. Kochkareva in *Fl. Tadzhikskoi SSR*, 8: 483, 163 (1986)—U.S.S.R. (Middle Asia).

**KUHLHASSELTIA** (Orchidac.).  
*halconensis* J.J. Wood in *Kew Bull.*, 41(4): 814 (1986), nom. nov.: *Herpysma merrillii* Ames.

**KUHNIA** (Compos.).  
*maximilianii* Sinning, *Del. Sem. Hort. Bot. Bonnen.*, 1838: 2, 3 (1938); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

**KUNDMANNIA** (Umbellif.).  
*pastinacifolia* (Bertol.) Sweet, *Hort. Brit.*, ed. 2: 247 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**KUNTHERIA** J.G. Conran & H.T. Clifford in *Fl. Australia*, 45: 490, 416 (1987). **COLCHICACEAE**.  
*pedunculata* (F. Muell.) J.G. Conran & H.T. Clifford in *Fl. Australia*, 45: 491 (1987): *Schelhammra pedunculata*.

**KUNZEA** (Myrtac.).  
*ericoides*  
*var. linearis* (Kirk) W. Harris in *New Zealand J. Bot.*, 25(1): 134 (1987): *Leptospermum ericoides* var. *lineare*.  
*var. microflora* (G. Simpson) W. Harris in *New Zealand J. Bot.*, 25(1): 134 (1987): *Leptospermum ericoides* var. *microflorum*.  
*sincilairii* (Kirk) W. Harris in *New Zealand J. Bot.*, 25(1): 134 (1987): *Leptospermum sincilairii*.

**KYLLINGA** (Cyperac.).  
*brevifolioides* (Delahoussaye & Thieret) G.C. Tucker in *J. Arnold Arbor.*, 68(4): 408 (1987): *Cyperus brevifolioides*.  
*chrysanthoides* K. Mtomwema in *Bot. Jahrb.*, 111(3): 292 (1990)—Burundi.  
*decolorans* (Kük.) K. Mtomwema in *Bot. Jahrb.*, 111(3): 291 (1990): *K. chrysanth* var. *decolorans*.  
*ngothe* K. Mtomwema in *Bot. Jahrb.*, 111(3): 294 (1990)—Kenya, Tanzania.  
*pseudobulbosa* K. Mtomwema in *Nordic J. Bot.*, 9(6): 638 (1990)—Tanzania.  
*robinsoniana* K. Mtomwema in *Nordic J. Bot.*, 9(6): 637 (1990)—Zambia, Mozambique, Tanzania, Kenya, Angola.  
*tisserantoides* K. Mtomwema in *Nordic J. Bot.*, 9(6): 639 (1990)—Nigeria.  
*uniflora* K. Mtomwema in *Nordic J. Bot.*, 9(6): 640 (1990)—Tanzania.

## L

**LABLAB** (Legumin.).  
*purpureus*  
*var. lignosus* (Prain) Kumari ex M. Chandrase & N.C. Nair, *Fl. Coimbatore*: 85 (1988): *Dolichos lablab* var. *lignosus*.

**LABORDIA** (Loganiac.).  
*hosakana* (Sheriff) W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Bishop Mus. Occas. Pap.*, 29: 102 (1989): *L. hedyosmifolia* var. *hosakana*.

**LACANDONIA** E. Martínez & C.H. Ramos in *Ann. Missouri Bot. Gard.*, 76(1): 128 (1989). **LACANDONIACEAE**.  
*schismatica* E. Martínez & C.H. Ramos in *Ann. Missouri Bot. Gard.*, 76(1): 130 (1989)—Mexico.

**LACHENALIA** (Hyacinthac.).  
*barkeriana* U. Müller-Doblies, B. Nordenstam & D. Müller-Doblies in *S. Afr. J. Bot.*, 53(6): 486 (1987)—South Africa (Cape Province).  
*dehoopensis* W.F. Barker in *S. Afr. J. Bot.*, 53(2): 167 (1987)—South Africa (Cape Province).  
*kliprandensis* W.F. Barker in *S. Afr. J. Bot.*, 53(2): 168 (1987)—South Africa (Cape Province).  
*leomontana* W.F. Barker in *S. Afr. J. Bot.*, 53(2): 169 (1987)—South Africa (Cape Province).  
*macgregoriae* W.F. Barker in *J. S. Afr. Bot.*, 45(2): 199 (1979); error 'macgregori' corrected by G.D. Duncan in *Flow. Pl. Afr.*, 49(3-4): t. 1951 (1987)—South Africa (Cape Province).  
*minima* W.F. Barker in *S. Afr. J. Bot.*, 53(2): 166 (1987)—South Africa (Cape Province).  
*namibiensis* W.F. Barker in *S. Afr. J. Bot.*, 53(2): 170 (1987)—Namibia.

**LACHNOPHYLLUM** A. Bunge, *Beitr. Fl. Russl.*: 151 (1852). **COMPOSITAE**.  
*gossypinum* A. Bunge, *Beitr. Fl. Russl.*: 151 (1852)—U.S.S.R. (Middle Asia).  
†

**LACTUCA** (Compos.).  
*inermis*  
*var. myriocephala* (Dethier) A. Lawalrée in *Fl. Afr. Centr., Spermatophytes*, Compos. 66 (1986): *L. capensis* var. *myriocephala*.  
*kashmiriana* S.K. Mangain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 83(2): 406 (1986)—India.  
*lahulensis* S.K. Mangain & R.R. Rao in *Bull. Bot. Surv. India*, 27(1-4): 120 (1985 publ. 1987)—India.  
*pakistanica* T. Akhtar & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 25 (1987)—Pakistan.

**LAELIA** (Orchidac.).  
*subgen. Crispae* (Pfütz.) C.L. Withner, *Cattleyas & Relatives*, 2: 18 (1990), without basionym ref.: *L. sect. Crispae*.  
*subgen. Microlaelia* (Schlechter) C.L. Withner, *Cattleyas & Relatives*, 2: 18 (1990), without basionym ref.: *L. sect. Microlaelia*.  
*subgen. Parviflorae* (Lindley) C.L. Withner, *Cattleyas & Relatives*, 2: 18 (1990), without basionym ref.: *L. sect. Parviflorae*.  
*aurea* A. Navarro in *Orquidea (México)*, 12(1): 42 (1990)—Mexico.  
*brevicaulis* (H.G. Jones) C.L. Withner, *Cattleyas & Relatives*, 2: 48 (1990): *Hoffmannseggella brevicaulis*.  
*duveenii* J.A. Fowlie in *Orchid Dig.*, 52(4): 180 (1988)—Brazil.  
*hookeri* Schouw, *Forteg. Kjøb. Bot. Hav. Pl.*: 25 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984)—Locality not stated.  
*sanguiloba* C.L. Withner, *Cattleyas & Relatives*, 2: 122 (1990)—Brazil.  
*sincorana*  
*var. delicata* J.A. Fowlie in *Orchid Dig.*, 53(3): 105 (1989), without latin descr. or type—Locality not stated.  
*var. marmorata* J.A. Fowlie in *Orchid Dig.*, 53(3): 105 (1989), without latin descr. or type—Locality not stated.  
*spectabilis* (Paxton) C.L. Withner, *Cattleyas & Relatives*, 2: 127 (1990): *Cattleya spectabilis*.  
*tenebrosa* (R.A. Rolfe) R.A. Rolfe in *Orchid Rev.*, 1(5): 146 (1893): *L. grandis* var. *tenebrosa*.

×**LAELICHILIS** R.P. Saulea in *Phytologia*, 65(1): 28 (1988). **ORCHIDACEAE**. (*Laeliopsis* × *Psychilis*).  
*yumanensis* (Withner) R.P. Saulea in *Phytologia*, 65(1): 28 (1988): × *Epilopsis yumanensis*.

**LAENNECIA** (Compos.).  
*sect. Sophiifolium* G.L. Nesom in *Phytologia*, 68(3): 208 (1990).  
*altoandina* (Cabrera) G.L. Nesom in *Phytologia*, 68(3): 214 (1990): *Conyza altoandina*.  
*artemisiifolia* (Meyen & Walp.) G.L. Nesom in *Phytologia*, 68(3): 215 (1990): *Conyza artemisiifolia*.  
*chihuahuana* G.L. Nesom in *Phytologia*, 68(3): 216 (1990)—Mexico.  
*confusa* (Cronq.) G.L. Nesom in *Phytologia*, 68(3): 217 (1990): *Conyza confusa*.

**LAENNECIA** —  
*coulteri* (A. Gray) G.L. Nesom in *Phytologia*, 68(3): 217 (1990): *Conyza coulteri*.  
*eriphylla* (A. Gray) G.L. Nesom in *Phytologia*, 68(3): 218 (1990): *Erigeron eriphyllus*.  
*lasseriana* (Aristeg.) G.L. Nesom in *Phytologia*, 68(3): 221 (1990): *Conyza lasseriana*.  
*microglossa* (S.F. Blake) G.L. Nesom in *Phytologia*, 68(3): 221 (1990): *Erigeron microglossus*.  
*mima* (S.F. Blake) G.L. Nesom in *Phytologia*, 68(3): 222 (1990): *Conyza mima*.  
*pimana* G.L. Nesom & J.E. Laferrière in *Phytologia*, 68(3): 203 (1990)—Mexico.  
*prolialba* (Cuatr.) G.L. Nesom in *Phytologia*, 68(3): 223 (1990): *Conyza prolialba*.  
*schiedeana* (Less.) G.L. Nesom in *Phytologia*, 68(3): 224 (1990): *Erigeron schiedeana*.  
*sophiifolia* (Kunth) G.L. Nesom in *Phytologia*, 68(3): 225 (1990): *Conyza sophiifolia*.

**LAFOENSIA** (Lythrac.).  
*vandelliana*  
*subsp. replicata* (Pohl) A. Lourteig in *Mem. Soc. Cienc. Nat. La Salle*, 45(123): 134 (1985): *L. replicata*.

**LAGENANDRA** (Arac.).  
*dewitii* W. Crusio & A. de Graaf in *Aqua Planta*, 1986(2): 57 (1986)—Sri Lanka.  
*gomezii* (Schott) J. Bogner & N. Jacobsen in *Aqua Planta*, 1987(2): 49 (1987): *Cryptocoryne gomezii*.

**LAGENARIA** (Cucurbitac.).  
*natalensis* Huber, *Cat. Graines* 1867: 9 (1867); cf. D.J. Mabberley in *Taxon*, 34(3): 452 (1985)—Locality not stated.

**LAGERSTROEMIA** (Lythrac.).  
*archeriana*  
*subsp. divaricatiflora* H.J. Hewson in *Fl. Australia*, 18: 321, 112 (1990)—Australia (W. Australia).  
*subcostata*  
*var. fauriei* (Koehne) Hatusima ex T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 98 (1987): *L. fauriei*.

**LAGOCHILUS** (Labiata).  
*aucherii*  
*var. elegans* Z. Jamzad in *Iranian J. Bot.*, 4(1): 96 (1988)—Iran.  
*subsp. heterophyllus* Z. Jamzad in *Iranian J. Bot.*, 4(1): 97 (1988)—Iran.  
*var. tomentosus* Z. Jamzad in *Iranian J. Bot.*, 4(1): 96 (1988)—Iran.  
*inebrians* A. Bunge, *Beitr. Fl. Russl.*: 262 (1852)—U.S.S.R. (Middle Asia).  
†  
*lasiocalyx* (Stapf) Z. Jamzad in *Iranian J. Bot.*, 4(1): 97 (1988): *L. aucheri* var. *lasiocalyx*.  
*quadridentatus* Z. Jamzad in *Iranian J. Bot.*, 4(1): 100 (1988)—Iran.

**LAGUNAEA** (Malvac.).  
*lobata* (Murr.) Schreber ex Spreng., *Bot. Gart. Univ. Halle*: 52 (1800); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**LAGUNARIA** (Malvac.).  
*patersonia*  
*subsp. bracteata* (Benth.) P.S. Green in *Kew Bull.*, 45(2): 242 (1990): *L. patersonia* var. *bracteata*.

**LAGURUS** (Gramin.).  
*ovatus*  
*var. subglaber* H. Scholz in *Willdenowia*, 19(2): 405 (1990)—Algeria.  
*subsp. vestitus* (Messeri) S. Brullo in *Colloqu. Phytosociolog.*, 12: 81 (1983); see *Publ. Ist. Bot. Univ. Catania* (1985): *L. ovatus* var. *vestitus*.  
*subsp. vestitus* (Messeri) H. Scholz in *Willdenowia*, 19(2): 407 (1990), isonym: *L. ovatus* var. *vestita*.

**LAGYNIAS** (Rubiace.).  
*subgen. Bembia* B. Verdcourt in *Kew Bull.*, 42(1): 141 (1987).  
*rufescens* (E.A. Bruce) B. Verdcourt in *Kew Bull.*, 42(1): 143 (1987): *Ancylanthos rufescens*.  
*subsp. angustiloba* B. Verdcourt in *Kew Bull.*, 42(1): 143 (1987)—Tanzania.

**LAMIASTRUM** (Labiata.).

galeobdolon  
 subsp. argentatum (Smejkal) C.A. Stace in *Watsonia*, 17(4): 443 (1989): Galeobdolon argentatum.

**LAMIOPHLOMIS** (Labiata.).

rotata  
 var. subglabra C.Y. Wu in *Fl. Xizangica*, 4: 159 (1985)—Xizang.

**LAMIUM** (Labiata.).

ser. *Alba* Gorsch. ex Sh.I. Kutateladze in *Fl. Gruzii*, ed. 2, 11: 237 (1987).  
 sect. *Amplexicaule* J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 48 (1989).  
 ser. *Maculata* Gorsch. ex Sh.I. Kutateladze in *Fl. Gruzii*, ed. 2, 11: 238 (1987).  
 ser. *Tomentosa* Gorsch. ex Sh.I. Kutateladze in *Fl. Gruzii*, ed. 2, 11: 237 (1987).  
 album  
 subsp. *barbatum* (Siebold & Zucc.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 70 (1989): L. *barbatum*.  
 amplexicaule  
 var. *orientale* (Pacz.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 57 (1989): L. *amplexicaule* f. *orientale*.  
 × *conradii* G. Bosc in *Candollea*, 41(1): 60 (1986), without type—Corsica. (L. *corsicum* × *garganicum* subsp. *laevigatum*).  
 galeobdolon  
 subsp. *argentatum* (Smejkal) J. Duval-Peyrou in *Bull. Jard. Bot. Nation. Belg.*, 57(3–4): 459 (1987): Galeobdolon *argentatum*.  
 f. *argentatum* (Smejkal) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 46 (1989): Galeobdolon *argentatum*.  
 garganicum  
 var. *armenum* (Boiss.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 109 (1989): L. *armenum*.  
 subsp. *corsicum* (Gren. & Godron) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 104 (1989): L. *corsicum*.  
 subsp. *longiflorum* (Ten.) M. Kerguelen in *Lejeunia*, 120: 116 (1987): L. *longiflorum*.  
 var. *microphyllum* (Boiss.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 110 (1989): L. *microphyllum*.  
 gilongensis H.W. Li in *Fl. Xizangica*, 4: 163 (1985)—Xizang.  
 moschatum  
 subsp. *micranthum* (Boiss.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 85 (1989): L. *moschatum* var. *micranthum*.  
 purpureum  
 subsp. *caucasicum* (Grossh.) Yu.L. Menitskii in *Fl. Armenii*, 8: 80 (1987): L. *caucasicum*.  
 var. *ehrenbergii* (Boiss. & Reuter ex Boiss.) J. Mennema, *Taxon. Revis. Lamium* (Leiden Bot. Ser., 11): 120 (1989): L. *ehrenbergii*.  
 sempervirens A.P. Khokhryakov in *Byull. Glavn. Bot. Sada* (Moscow), 152: 61 (1989)—U.S.S.R. (Caucasus), Turkey.

**LAMPFRANTHUS** (Aizoac.).

deltoides (L.) Glen ex D.O. Wijnands, *Botany Commelins*: 148 (1983): Mesembryanthemum deltoides.  
 deltoides (L.) H.F. Glen in *Bothalia*, 16(1): 55 (1986): Mesembryanthemum deltoides.  
 var. *caulescens* (Mill.) G.D. Rowley in *Excelsa*, 12: 34 (1986): Mesembryanthemum caulescens.  
 glaucus  
 subsp. *aureus* (L.) Glen ex D.O. Wijnands, *Botany Commelins*: 149 (1983), without basionym ref.: Basionym not stated.

**LAMPROCOCCUS** (Bromeliac.).

brevicollis (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989): Aechmea brevicollis.  
 campanulatus (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989): Aechmea campanulata.  
 carvalhoi (E. Pereira & Leme) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea carvalhoi.

**LAMPROCOCCUS** :-

cathartii (C.F. Reed & R.W. Read) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea cathartii.  
 farinosus  
 var. *discolor* (Beer ex Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea conglomerata var. *discolor*.  
 var. *glomeratus* (Beer) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): L. *glomeratus*.  
 pedicellatus (E.M.C. Leme & H.E. Luther) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea pedicellata.  
 podanthus (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea podantha.  
 racinae (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea racinae.  
 var. *erectus* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea racinae var. *erecta*.  
 var. *tubiformis* (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea racinae var. *tubiformis*.  
 victorianus (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea victoriana.  
 var. *discolor* (M.B. Foster) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea victoriana var. *discolor*.  
 warasii (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 71 (1989): Aechmea warasii.

**LAMPROCONUS** (Bromeliac.).

maidifolia (C. Morr.) Jacob-Makoy, *Prix Cour. Pl. Nouv.*, 120: 23 (1879); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985): Basionym not stated.

**LANGLOISIA** (Polemoniace.).

setosissima  
 subsp. *punctata* (Coville) S. Timbrook in *Madroño*, 33(3): 169 (1986): Gilia setosissima var. *punctata*.

**LANTANA** (Verbenac.).

camara  
 f. *glandulosa* R.B. Fernandes in *Bol. Soc. Brot.*, 61: 132 (1988)—Angola, Mexico, Guatemala, Costa Rica, Venezuela, Brazil, Uruguay, Argentina, Chile.  
 depressa  
 var. *floridana* (Moldenke) R.W. Sanders in *Syst. Bot.*, 12(1): 55 (1987): L. *bahamensis* var. *floridana*.  
 var. *sanibelensis* R.W. Sanders in *Syst. Bot.*, 12(1): 55 (1987)—U.S.A. (Florida).  
 hodgei R.W. Sanders in *J. Arnold Arbor.*, 68(3): 343 (1987)—Windward Is.  
 machadoi R.B. Fernandes in *Bol. Soc. Brot.*, 61: 142 (1988)—Angola.  
 moldenkei R.B. Fernandes in *Bol. Soc. Brot.*, 61: 147 (1988)—Zimbabwe.  
 ruiz-teranii S. López-Palacios & J.A. Steyermark in *Acta Bot. Venezuel.*, 14(1): 163 (1983); et in *Ernstia*, 36: 10 (1986)—Venezuela.  
 tiliifolia  
 f. *glandulosa* (Schau.) R.B. Fernandes in *Bol. Soc. Brot.*, 61: 179 (1988): L. *tiliifolia* var. *glandulosa*.  
 trifolia  
 f. *congolensis* (Moldenke) R.B. Fernandes in *Bol. Soc. Brot.*, 59: 254 (1986): L. *mearnsii* var. *congolensis*.  
 urticifolia  
 subsp. *moldenkei* R.W. Sanders in *Moscovia*, 5: 202 (1989)—Hispaniola (Dominican Republic, Haiti), Puerto Rico.  
 subsp. *zanonii* R.W. Sanders in *Moscovia*, 5: 206 (1989)—Hispaniola (Dominican Republic).  
 urticiformis Huber, *Cat. Gén.* 1871 & 1872: 4 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Brazil.  
 viburnoides  
 subsp. *richardii* R.B. Fernandes in *Bol. Soc. Brot.*, 61: 200 (1988)—Ethiopia, Uganda, Kenya, Tanzania, Zambia, Zimbabwe, Malawi, Mozambique, Angola.  
 var. *richardii* R.B. Fernandes in *Bol. Soc. Brot.*, 61: 201 (1988)—Ethiopia, Uganda, Kenya, Tanzania, Zambia, Zimbabwe, Malawi, Mozambique, Angola.

**LAPEIROUSIA** (Iridac.).

subgen. *Paniculata* P. Goldblatt & J.C. Manning in *Ann. Missouri Bot. Gard.*, 77(2): 373 (1990).  
 sect. *Paniculata* P. Goldblatt & J.C. Manning in *Ann. Missouri Bot. Gard.*, 77(2): 373 (1990).  
 sect. *Sophronia* (Licht. ex Roemer & Schultes) P. Goldblatt & J.C. Manning in *Ann. Missouri Bot. Gard.*, 77(2): 373 (1990); gen. *Sophronia*.  
 angolensis P. Goldblatt in *Ann. Missouri Bot. Gard.*, 77(3): 458 (1990)—Angola, Zambia.  
 littoralis  
 subsp. *caudata* (Schinz) P. Goldblatt in *Ann. Missouri Bot. Gard.*, 77(3): 478 (1990): L. *caudata*.  
 teretifolia (Geerinck et al.) P. Goldblatt in *Ann. Missouri Bot. Gard.*, 77(3): 457 (1990): L. *erythrantha* var. *teretifolia*.

**LAPLACEA** (Theac.).

fruticosa  
 var. *chimantae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 650 (1987)—Venezuela.  
 pubescens  
 var. *minor* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 652 (1987)—Venezuela.

**LAPORTEA** (Urticac.).

glandulosa (Wedd.) V.C. Lima in *Prog. Resum. Soc. Bot. Brasil*, XXXV Congr. Nac. Bot., Curitiba: 362 (1985), without basionym ref.: *Fleurya glandulosa*.  
 medogensis C.J. Chen in *Acta Phytotax. Sin.*, 28(1): 68 (1990)—Xizang.  
 peduncularis  
 subsp. *latidens* I. Friis in *Bol. Soc. Brot.*, 58: 206 (1985)—Mozambique, South Africa (Natal).

**LAPPULA** (Boraginac.).

alaica (M. Pop.) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 138 (1986): Lepechinella alaica.  
 austrohungarica (Golosc.) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 138 (1986): Lepechinella austrohungarica.  
 betpakdalensis M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 138 (1986), nom. nov.: Lepechinella balchaschensis M. Pop.  
 coronifera  
 subsp. *zaissanica* N.K. Aralbaev in *Bot. Zhurn.*, 75(5): 707 (1990)—U.S.S.R. (Middle Asia).  
 michaelis (Golosc.) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 138 (1986): Lepechinella michaelis.  
 minuta (Lipsky) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 138 (1986): Paracaryum minutum.  
 mogoltavica M. Pop. ex A.P. Chukavina in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(92): 92 (1983)—U.S.S.R. (Middle Asia).  
 nevskii L.M. Raenko in *Bot. Zhurn.*, 72(1): 99 (1987)—U.S.S.R. (Middle Asia).  
 sarawshchana (Lipsky) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 137 (1986): Paracaryum sarawshchanicum.  
 semnanensis H. Riedl & M. Iranshahr in *Lin. Biol. Beitr.*, 17(2): 327 (1985)—Iran.  
 transalaica (M. Pop.) M.M. Nabiev in *Opred. Rast. Sred. Azii*, 8: 137 (1986): Lepechinella transalaica.

**LARIX** (Pinac.).

communis Lindl. in *Loud., Encycl. Pl.*: 806 (1829); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.  
 gmelinii  
 var. *cajanderi* (Mayr.) J. Silba in *Phytologia*, 68(1): 36 (1990): L. *cajanderi*.  
 f. *hsingianica* (Yang & Y.L. Chou) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 36 (1986): L. *gmelinii* var. *hsingianica*.  
 griffithiana  
 var. *speciosa* (Cheng & Law) J. Silba in *Phytologia*, 68(1): 37 (1990): L. *speciosa*.  
 olgensis  
 var. *heilongensis* (Yang & Y.L. Chou) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 40 (1986): L. *heilongensis*.  
 potaninii  
 var. *himalaica* (Cheng & Fu) Farjon & J. Silba in *Phytologia*, 68(1): 37 (1990): L. *himalaica*.

**LASERPITIUM** (Umbellif.).

siler

subsp. laeve (Halácsy) P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 732 (1986); L. garganicum var. laeve.

**LASIADENIA** (Thymelaeac.).

ottoburberi T. Plowman & L.I. Nevling in *Brittonia*, 38(2): 114 (1986)—Venezuela.

**LASIANTHAEA** (Compos.).

beckeri B.L. Turner in *Phytologia*, 65(5): 361 (1988)—Mexico.  
belizeana B.L. Turner in *Phytologia*, 65(5): 363 (1988)—Belize.  
breedlovei B.L. Turner in *Phytologia*, 65(5): 364 (1988)—Mexico.  
calva (Greenm.) B.L. Turner in *Phytologia*, 65(5): 365 (1988); *Perymenium* (?) calvum.  
gentryi B.L. Turner in *Phytologia*, 66(6): 496 (1989)—Mexico.  
guatemalensis (J.D. Smith) B.L. Turner in *Phytologia*, 65(5): 366 (1988); *Zexmenia guatemalensis*.  
kingii (H. Rob.) B.L. Turner in *Phytologia*, 65(5): 366 (1988); *Zexmenia kingii*.  
lundellii (H. Rob.) B.L. Turner in *Phytologia*, 65(5): 367 (1988); *Oyedaea lundellii*.  
salvinii (Hemsl.) B.L. Turner in *Phytologia*, 65(5): 367 (1988); *Zexmenia salvinii*.  
steyermarkii (Blake) B.L. Turner in *Phytologia*, 65(5): 367 (1988); *Oyedaea steyermarkii*.

**LASIANTHUS** (Rubiace.).

andamanicus

var. ciliatus D.B. Deb & M. Gangopadhyay in *J. Bombay Nat. Hist. Soc.*, 84(2): 458 (1987 publ. 1988)—Andaman Is., Nicobar Is.

bahorucanus T.A. Zanon in *Moscossa*, 5: 101 (1989)—Hispaniola (Dominican Republic).

lucidus

var. caudisepalus D.B. Deb & M. Gangopadhyay in *J. Bombay Nat. Hist. Soc.*, 84(2): 458 (1987 publ. 1988)—India.

meeboldii D.B. Deb & M. Gangopadhyay in *J. Bombay Nat. Hist. Soc.*, 84(2): 412 (1987 publ. 1988)—Burma.

wallichii

var. glabriusculus D.B. Deb & M. Gangopadhyay in *J. Bombay Nat. Hist. Soc.*, 84(2): 462 (1987 publ. 1988)—Burma.

**LASIOCARYUM** (Boraginac.).

munroi

var. diffusum (Brand.) B.N. Mehrotra & B.S. Aswal in *J. Econ. Taxon. Bot.*, 6(3): 608 (1985), without basionym ref.: *Microcaryum diffusum*.

**LASTARRIAEA** (Polygonac.).

ptilota J.L. Reveal in *Phytologia*, 66(3): 217 (1989)—Mexico.

**LATHYRUS** (Legumin.).

sect. Apterii (Czeffr.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 153 (1987); L. subsect. Apterii.

sect. Maritimi (Czeffr.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 163 (1987); L. subsect. Maritimi.

sect. Odorati Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 153 (1987).

sect. Pisiformes (Czeffr.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 165 (1987); L. subsect. Pisiformes.

subgen. Pseudorobus Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 156 (1987).

sect. Rotundifolii Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 153 (1987).

sect. Saxatiles Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 166 (1987).

sect. Setifolii Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 156 (1987), nom. nov.: L. subsect. Annui Czeffr.

sect. Sphaerici Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 167 (1987).

sect. Variiflori (Czeffr.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 166 (1987); L. subsect. Variiflori.

**LATHYRUS** :-

anhuiensis Y.J. Zhu & R.X. Meng in *Acta Phytotax. Sin.*, 24(5): 402 (1986)—China.

belinensis N. Maxted & D.J. Goyder in *Kew Bull.*, 43(4): 711 (1988)—Turkey.

davidii

var. roseus C.W. Chang in *Fl. Tsinlingensis*, 1(3): 450, 102 (1981)—China.

glandulosus S.L. Broich in *Madroño*, 33(2): 136 (1986)—U.S.A. (California).

grimesii R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 208 (1989)—U.S.A. (Nevada).

italicus Juss. ex Spreng., *Bot. Gart. Univ. Halle*: 53 (1800); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

japonicus

subsp. pubescens A.A. Korobkov in *Arktich. Fl. SSSR*, 9(2): 173 (1986)—U.S.S.R. (European Russia, Soviet Far East), Canada (Labrador, N.W. Terr., Ontario), Alaska, Newfoundland, Greenland, Aleutian Is., etc.

laevigatus

subsp. emodi (Wall. ex Fritsch) H. Ohashi in *Enum. Fl. Pl. Nepal*, 2: 123 (1979); *Orobos emodi*.

subsp. hispanicus (Rouy) M. Kerguelen in *Lejeunia*, 120: 116 (1987); L. linnaei proles hispanicus.

lanszwertii

var. pallescens R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West*, U.S.A., 3B: 206 (1989)—U.S.A. (Utah, Wyoming, New Mexico, Arizona).

pallescens

var. pilosior (Širj.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 167 (1987); L. pallescens f. pilosior.

plitmannii W. Greuter & Burdet in *Willdenowia*, 19(1): 32 (1989), nom. nov.: L. gorgoni var. lineatus Plitmann.

pratensis

subsp. lusseri (Heer ex Koch) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983); L. lusseri.

subsp. velutinus (DC.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983); L. pratensis β var. velutinus.

pseudocicera

subsp. negevensis (Plitmann) Plitmann & Heyn ex W. Greuter in *Willdenowia*, 19(1): 32 (1989); L. cicera var. negevensis.

roseus

subsp. hermonis A. Liston in *Bot. Jahrb.*, 109(1): 64 (1987)—Israel/Syria border, Turkey.

rotundifolius

subsp. litvinovii (Iljin) J. Jäger in *Wiss. Zeitschr. Martin-Luther-Univ. Halle-Wittenberg, Math.-Nat.*, 30(5): 89 (1981); L. litvinovii.

tataricus Schreb. ex Spreng., *Bot. Gart. Univ. Halle*: 54 (1800); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

vernus

var. flaccidus (Ser.) Z.V. Chefranova in *Fl. Europeiskoi Chasti SSSR*, 6: 163 (1987); *Orobos vernus* var. flaccidus.

vestitus

subsp. alefeldii (White) S.L. Broich in *Syst. Bot.*, 12(1): 151 (1987); L. alefeldii.

subsp. laetiflorus (Greene) S.L. Broich in *Syst. Bot.*, 12(1): 151 (1987); L. laetiflorus.

subsp. laevicarpus S.L. Broich in *Syst. Bot.*, 12(1): 151 (1987)—U.S.A. (California).

**LATOORORCHIS** (Orchidac.).

alexandreae (Schltr.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium alexandreae*.†

atroviolacea (Rolle) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium atroviolaceum*.†

forbesii (Ridl.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium forbesii*.†

leucohybos (Schltr.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium leucohybos*.†

macrophylla (A. Rich.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium macrophyllum*.†

**LATOORORCHIS** :-

muscifera (Schltr.) F.G. Brieger in *Schlechter Orchideen*, 1(11–12): 727 (1981), in Supp. 18 as *Latourea: Dendrobium muscifera*.†

**LAUMONIERA** H.P. Nootboom in *Blumea*, 32(2): 383 (1987). **SIMAROUBACEAE**.

bruceadelpa H.P. Nootboom in *Blumea*, 32(2): 383 (1987)—Sumatra.

**LAUNAEA** (Compos.).

fragilis

var. lucentica O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989)—Spain.

subsp. pumila (Cav.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989); *Scorzonera pumila*.

var. pumila (Cav.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989); *Scorzonera pumila*.

var. viminea (Lange) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989); *Zollikoferia resedifolia* var. viminea.

gorgadensis (Bolte) N. Kilian in *Willdenowia*, 18(1): 167 (1988); *Sonchus gorgadensis*.

obtusus (DC.) Mundhe & Almeida in *J. Bombay Nat. Hist. Soc.*, 85(3): 523 (1988 publ. 1989); *Brachyrhamphus obtusus*.

thalassica N. Kilian, C. Brochmann & Ø.H. Rustan in *Willdenowia*, 16(2): 491 (1987)—Cape Verde Is.

**LAUROCERASUS** (Rosac.).

zippeliana

var. crassistyla (Card.) T.T. Yü & L.T. Lu in *Fl. Reipubl. Popul. Sin.*, 38: 118 (1986); *Prunus macrophylla* var. crassistyla.

**LAURUS** (Laurac.).

glauca C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 383 (1784)—Japan.†

lucida C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 384 (1784)—Japan.†

magnoliaefolia A.J. Cavanilles in *Anales Ci. Nat.*, 3(7): 53 (1801)—Canary Is., Madeira.

pedunculata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 383 (1784)—Japan.†

umbellata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 384 (1784)—Japan.†

**LAVANDULA** (Labiata.).

sect. Dentata M. Suárez-Cervera & J.A. Seoane-Camba in *An. Jard. Bot. Madrid*, 42(2): 402 (1985 publ. 1986).

buchii

var. gracilis M.C. León-Arencibia in *Vieraea*, 17(1–2): 358 (1987), as 'gracile'—Canary Is.

var. tolpidifolia (Svent.) M.C. León-Arencibia in *Vieraea*, 17(1–2): 354 (1987); L. pinnata var. tolpidifolia.

**LAVAUXIA** (Onagrac.).

triloba (Nutt.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1837: 4 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983); *Oenothera triloba*.

**LAVOISIERA** (Melastomatac.).

mucugensis J.J. Wurdack in *Phytologia*, 64(4): 294 (1988)—Brazil.

**LAVRANIA** D.C.H. Plowes in *Cact. Succ. J. (U.S.A.)*, 58(3): 122 (1986). **ASCLEPIADACEAE**.

haagnerae D.C.H. Plowes in *Cact. Succ. J. (U.S.A.)*, 58(3): 123 (1986)—Namibia.

**LAWIELLA** (Podostemac.).

chinensis H.C. Chao in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 9 (1948 publ. 1949)—China.

fukienensis H.C. Chao in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 6 (1948 publ. 1949)—China.

**LAXMANNIA** (Anthericac.).

arida G.J. Keighery in *Fl. Australia*, 45: 491, 258 (1987)—Australia (W. Australia, N. Terr.).

compacta J.G. Conran & P.I. Forster in *Austrobaileya*, 2(3): 248 (1986)—Australia (Queensland, New South Wales).

grandiflora

subsp. stirlingensis G.J. Keighery in *Fl. Australia*, 45: 491, 261 (1987)—Australia (W. Australia).



**LAXMANNIA** :-

- jamesii* G.J. Keighery in *Fl. Australia*, 45: 491, 258 (1987)—Australia (W. Australia).  
*omnifertilis* G.J. Keighery in *Fl. Australia*, 45: 491, 260 (1987)—Australia (W. Australia).  
*orientalis* G.J. Keighery in *Fl. Australia*, 45: 492, 257 (1987)—Australia (Victoria, S. Australia), Tasmania.  
*ramosa*  
*subsp. deflexa* G.J. Keighery in *Fl. Australia*, 45: 492, 257 (1987)—Australia (W. Australia).  
*sessiliflora*  
*subsp. australis* G.J. Keighery in *Fl. Australia*, 45: 492, 256 (1987)—Australia (W. Australia).  
*subsp. drummondii* G.J. Keighery in *Fl. Australia*, 45: 492, 256 (1987)—Australia (W. Australia).

**LEAVENWORTHIA** (Crucif.).

- texana* W.F. Mahler in *Sida*, 12(1): 239 (1987)—U.S.A. (Texas).

**LECANORCHIS** (Orchidac.).

- cerina*  
*var. albidata* T.P. Lin, *Native Orchids Taiwan*, 3: 147 (1987), as 'albidus'—Taiwan.  
*flavicans*  
*var. acutiloba* T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 8: 8 (1989)—Japan.  
*multiflora*  
*var. brachycarpa* (Ohwi) T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 8: 6 (1989); L. brachycarpa. taiwaniana S.S. Ying in *Quart. J. Chinese Forest.*, 20(4): 133 (1987)—Taiwan.  
*thalassica* T.P. Lin, *Native Orchids Taiwan*, 3: 153 (1987), as 'thalassicus'—Taiwan.  
*virella* T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 8: 1 (1989)—Japan.

**LECHENAULTIA** (Goodeniace.).

- sect. Patentes* D.A. Morrison in *Brunonia*, 9(1): 6 (1987).  
*brevifolia* D.A. Morrison in *Brunonia*, 9(1): 18 (1987)—Australia (W. Australia).  
*lutescens* D.A. Morrison & R.C. Carolin in *Brunonia*, 9(1): 15 (1987)—Australia (N. Terr., W. Australia).  
*ovata* D.A. Morrison in *Telopea*, 3(2): 164 (1988)—Australia (N. Terr.).  
*papillata* D.A. Morrison in *Brunonia*, 9(1): 12 (1987)—Australia (W. Australia).

**LECOINTEA** (Legumin.).

- marcano-bertii* R.C. Barneby in *Brittonia*, 41(4): 352 (1989)—Venezuela.  
*peruviana*  
*var. lasiogyne* R.C. Barneby in *Brittonia*, 41(4): 355 (1989)—Ecuador.  
*tango* (Standl.) L. Emygdio de Mello Filho & A. Grave de Andrade in *Atas Simpósio sobre Biota Amazônica (Bot.)*, 4: 156, 166 for bas. date (1967); Zollernia tango.

**LECYTHIS** (Lecythidac.).

- sect. Corrugata* S.A. Mori in *Fl. Neotrop.*, 21(II): 277 (1990).  
*sect. Pisonis* S.A. Mori in *Fl. Neotrop.*, 21(II): 289 (1990).  
*sect. Poiteaui* S.A. Mori in *Fl. Neotrop.*, 21(II): 298 (1990).  
*confertiflora* (A.C. Smith) S.A. Mori in *Mem. New York Bot. Gard.*, 44: 31 (1987); Eschweilera confertiflora.  
*parvifructa* S.A. Mori in *Fl. Neotrop.*, 21(II): 312 (1990)—Brazil.  
*persistens*  
*subsp. aurantiaca* S.A. Mori in *Mem. New York Bot. Gard.*, 44: 32 (1987)—French Guiana.  
*pneumatophora* S.A. Mori in *Fl. Neotrop.*, 21(II): 288 (1990)—French Guiana.  
*prancei* S.A. Mori in *Fl. Neotrop.*, 21(II): 304 (1990)—Brazil.  
*serrata* S.A. Mori in *Fl. Neotrop.*, 21(II): 320 (1990)—Brazil.

**LEDEBOURIA** (Hyacinthac.).

- violacea* (Hutchinson) W.L. Tjaden in *Brit. Cact. Succ. J.*, 7(1): 11 (1989); Scilla violacea.

**LEDUM** (Ericac.).

- palustre*  
*f. decumbens* (Ait.) Y.L. Chou & S.L. Tung in Y.L. Chou, *Ligneous Fl. Heilongjiang*: 463 (1986); L. palustre var. decumbens.

**LEERSIA** (Gramin.).

- sect. Hexandrae* G.C. Tucker in *J. Arnold Arbor.*, 69(3): 263 (1988).  
*oryzoides*  
*subsp. japonica* (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 514 (1987); L. oryzoides var. japonica.

**LEFEBVREA** (Umbellif.).

- droopii* C.C. Townsend in *Kew Bull.*, 42(3): 589 (1987)—Tanzania.

**LEIOTHRIX** (Eriocaulac.).

- cipoensis* A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without latin descr. or type; *et in Bol. Bot. (São Paulo)*, 10: 15 (1988)—Brazil.  
*curvifolia*  
*var. mucronata* (Bong.) A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without basionym ref.: Basionym not stated.  
*flagellaris*  
*var. pedunculosa* (Ruhl.) A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without basionym ref.: Basionym not stated.  
*flavescens*  
*var. disticophylla* (Silv.) A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without basionym ref.: Basionym not stated.

- fulgida*  
*var. milho-verdensis* (Silv.) A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without basionym ref.: Basionym not stated.  
*plantago* (Mart.) A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without basionym ref.: Basionym not stated.

- rupestris* A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without latin descr. or type; *et in Bol. Bot. (São Paulo)*, 10: 21 (1988)—Brazil.  
*sinuosa* A.M. Giulietti in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 346 (1985), without latin descr. or type—Locality not stated.

- sinuosa* A.M. Giulietti in *Bol. Bot. (São Paulo)*, 10: 18 (1988)—Brazil.

**LEMOGLOSSUM** (Orchidac.).

- bictoniense* (Batem.) Halbinger ex M.A. Soto Arenas in *Orquidea (México)*, 11: 271 (1988); Cyrtorchilum bictoniense.  
*bictoniense* (Bateman) Halb. ex E.A. Christenson in *Lindleyana*, 3(4): 222 (1988 publ. 1989), isonym see M.A. Soto Arenas in *Orquidea (México)*, 11: 271 (1988); Cyrtorchilum bictoniense.

**LEMNA** (Lemnac.).

- sect. Biformes* E. Landolt in *Veröff. Geobot. Inst. Rübel*, 71: 445 (1986).

**LEMOORIA** P.S. Short in *Muelleria*, 7(1): 112 (1989). **COMPOSITAE**.

- burkittii* (Benth.) P.S. Short in *Muelleria*, 7(1): 113 (1989); Gnephosis burkittii.

**LEMURELLA** (Orchidac.).

- sarcanthoides* (Schltr.) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1018 (1986); Oeonella sarcanthoides.

**LEMURODENDRON** J.F. Villiers & P. Guinet in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 11(1): 3 (1989). **LEGUMINOSAE**.

- capuronii* J.F. Villiers & P. Guinet in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 11(1): 6 (1989)—Madagascar.

**LENS** (Legumin.).

- culinaris*  
*subsp. macrosperma* (Baumg.) Z.V. Chefranova in *Fl. Evropeiskoi Chasti SSSR*, 6: 170 (1987); L. esculenta var. macrosperma.  
*odemensis* G. Ladizinsky in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 489 (1986)—Israel, Turkey, East Aegean Is.

**LEOCEREUS** (Cactac.).

- bahiensis*  
*var. barreirensis* P.J. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 41(9): 205 (1990)—Brazil.  
*var. exiguospinus* P.J. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 41(9): 205 (1990)—Brazil.  
*var. robustispinus* P.J. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 41(9): 205 (1990)—Brazil.  
*var. urandianus* (Ritter) P.J. Braun & E. Esteves Pereira in *Kakt. And. Sukk.*, 41(9): 205 (1990); L. urandianus.  
*estesvii* P.J. Braun in *Kakt. And. Sukk.*, 41(9): 204 (1990)—Brazil.

**LEOCHILUS** (Orchidac.).

- hagsateri* M.W. Chase in *Syst. Bot.*, 11(1): 244 (1986)—Mexico.  
*macrantherus* (Hook.) Liebm. in *Schouw. Forteg. Kjöb. Bot. Hav. Pl.*: 27 (1847); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984); Basionym not stated.  
*puertoricensis* M.W. Chase in *Syst. Bot.*, 11(1): 242 (1986)—Puerto Rico.

**×LEOCIDPASIA** hort. in *Orchid Rev.*, 98(1162): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (Aspasia × Leochilus × Oncidium).**LEONOHEBE** M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 4 (1987). **SCROPHULARIACEAE**.

- sect. Apiti* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 7 (1987).  
*sect. Aromaticae* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987).  
*sect. Buxifoliae* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 10 (1987).  
*sect. Connatae* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 6 (1987).  
*sect. Densifoliae* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 4 (1987).  
*sect. Flagriformes* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987).  
*sect. Salicornioides* M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 7 (1987).  
*annulata* (Petrie) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 7 (1987); Veronica armstrongii var. annulata.  
*armstrongii* (Armstrong) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 7 (1987); Veronica armstrongii.  
*bentharii* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 7 (1987); Veronica bentharii.  
*cheesemani* (Buchanan) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 5 (1987); Mitrasacme cheesemani.  
*ciliolata* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 5 (1987); Logania ciliolata.  
*coarctata* (Cheesem.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987); Veronica coarctata.  
*cupressoides* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987); Veronica cupressoides.  
*densifolia* (F. v. Muell.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 4 (1987); Paederota densifolia.  
*epacridea* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 6 (1987); Veronica epacridea.  
*haastii* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 6 (1987); Veronica haastii.  
*haastii*  
*var. humilis* (Simpson) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 6 (1987); Hebe macrocalyx var. humilis.  
*var. macrocalyx* (Armstrong) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 6 (1987); Veronica macrocalyx.  
*hectorii* (Hook. f.) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987); Veronica hectorii.  
*hectorii*  
*var. demissa* (Simpson) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 8 (1987); Hebe demissa.  
*imbricata* (Petrie) M.J. Heads in *Bot. Soc. Otago Newsl.*, 5: 9 (1987); Veronica imbricata.

**LEONOHEBE** :-

- laingii (Ckne.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 8 (1987): Veronica laingii.
- lycopodioides (Hook. f.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica lycopodioides.
- var. patula (Simpson & Thomson) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Hebe lycopodioides var. patula.
- masoniae (Moore) M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987): Hebe pauciramosa var. masonae.
- var. rotundata M.J. Heads in Bot. Soc. Otago Newsl., 5: 11 (1987)—New Zealand.
- mooreae M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987)—New Zealand.
- var. telmata M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987)—New Zealand.
- ochracea (Ashwin) M.J. Heads in Bot. Soc. Otago Newsl., 5: 7 (1987): Hebe ochracea.
- odora (Hook. f.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987): Veronica odora.
- pauciflora (Simpson & Thomson) M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987): Hebe pauciflora.
- pauciramosa (Ckne. & Allan) M.J. Heads in Bot. Soc. Otago Newsl., 5: 10 (1987): Hebe buxifolia var. pauciramosa.
- petriei (Buchanan) M.J. Heads in Bot. Soc. Otago Newsl., 5: 6 (1987): Mitrasacme petriei.
- var. murrellii (Simpson & Thomson) M.J. Heads in Bot. Soc. Otago Newsl., 5: 6 (1987): Hebe murrellii.
- poppelwellii (Ckne.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica poppelwellii.
- propinqua (Cheesem.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica propinqua.
- ramosissima (Simpson & Thomson) M.J. Heads in Bot. Soc. Otago Newsl., 5: 7 (1987): Hebe ramosissima.
- salicornioides (Hook. f.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 7 (1987): Veronica salicornioides.
- subsimilis (Col.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica subsimilis.
- var. astonii (Petrie) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica astonii.
- subulata (Simpson) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Hebe subulata.
- tetragona (Hook. f.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 9 (1987): Veronica tetragona.
- tetrasticha (Hook. f.) M.J. Heads in Bot. Soc. Otago Newsl., 5: 5 (1987): Veronica tetrasticha.
- tumida (Kirk) M.J. Heads in Bot. Soc. Otago Newsl., 5: 5 (1987): Veronica tumida.
- uniflora (Kirk) M.J. Heads in Bot. Soc. Otago Newsl., 5: 5 (1987): Veronica uniflora.

**LEONTODON** (Compos.).

- asperimus (Willd.) Endl., Cat. Horti Vindob., 1: 410 (1842); cf. D.J. Mabberley in Taxon, 33(3): 435 (1984): Basionym not stated.
- caucasicus
- var. jailae (Klok.) D.V. Gel'tman in Fl. Evropejskoj Chasti SSSR, 8: 30 (1989): L. jailae.
- saxatilis
- subsp. crassifolius (Welw. ex Mariz) A.R. Pinto da Silva in Bol. Soc. Brot., 60: 155 (1987): Thrinicia hirta var. crassifolia.
- subsp. hispidus (Roth) Castroviejo & M. Lainz in M. Lainz, Mis contrib. conocim. fl. Asturias: 71 (1982): Colobium hispidum.
- subsp. longirostris (Finch & P.D. Sell) A.R. Pinto da Silva in Bol. Soc. Brot., 60: 155 (1987): L. taraxacoides subsp. longirostris.
- taraxacoides
- subsp. hispidus (Roth) M. Kerguelen in Lejeunia, 120: 119 (1987): Colobium hispidum.

**LEONTOPODIUM** (Compos.).

- villosulum A.P. Khokhryakov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 93(6): 65 (1988)—U.S.S.R. (Soviet Far East).

**LEONURUS** (Labiata).

- sect. Cardiophilum (V. Krecz. & Kuprian.) T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 26: 145 (1989): L. subgen. Cardiophilum.
- sect. Chaituroides (C.Y. Wu & H.W. Li) T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 26: 148 (1989): L. subgen. Chaituroides.

**LEONURUS** :-

- ser. Glaucescens V. Krecz. & Kuprian. ex T.V. Krestovskaya in Bot. Zhurn., 73(12): 1751 (1988).
- subsect. Heterophylli (C.Y. Wu & H.W. Li) T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 26: 145 (1989): L. ser. Heterophylli.
- subsect. Panzerioides V. Krecz. & Kuprian. ex T.V. Krestovskaya in Bot. Zhurn., 73(12): 1754 (1988).
- subsect. Pubescentes T.V. Krestovskaya in Bot. Zhurn., 73(12): 1754 (1988).
- subsect. Sibirici T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 26: 148 (1989).
- ser. Tatarici V. Krecz. & Kuprian. ex T.V. Krestovskaya in Bot. Zhurn., 73(12): 1748 (1988).
- comosus Koen. ex Rottb., Pl. Hort. Univ. Rar. Prog.: 18 (1773); cf. D.J. Mabberley in Taxon, 33(3): 438 (1984)—Locality not stated.
- deminutus
- var. orientalis T.V. Krestovskaya in Bot. Zhurn., 73(12): 1748 (1988)—U.S.S.R. (Siberia).
- glaucescens
- f. latifolius (Bunge) T.V. Krestovskaya in Bot. Zhurn., 73(12): 1752 (1988): L. glaucescens var. latifolius.
- kudriashchevi R.V. Kamelin & M. Tulyaganova in Bot. Zhurn., 72(6): 813 (1987)—U.S.S.R. (Middle Asia).
- kuprijanoviae T.V. Krestovskaya in Bot. Zhurn., 73(12): 1753 (1988)—Pakistan.
- macranthus
- var. villosissimus T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 25: 134 (1988)—Japan, China.
- malebaricus Koen. ex Rottb., Pl. Hort. Univ. Rar. Prog.: 20 (1773); cf. D.J. Mabberley in Taxon, 33(3): 438 (1984)—Locality not stated.
- pseudopanzerioides T.V. Krestovskaya in Bot. Zhurn., 73(12): 1749 (1988)—Mongolia, Xinjiang.
- quinguelobatus
- var. caucasicus T.V. Krestovskaya in Bot. Zhurn., 73(12): 1751 (1988)—U.S.S.R. (Caucasus).
- sibiricus
- var. glaber T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 25: 133 (1988)—U.S.S.R. (Siberia), Mongolia, China.
- tibeticus T.V. Krestovskaya in Novosti Sist. Vyssh. Rast., 26: 147 (1989)—Xizang.
- turkestanicus
- var. songoricus T.V. Krestovskaya in Bot. Zhurn., 73(12): 1752 (1988)—U.S.S.R. (Middle Asia).

**LEOPOLDIA** (Hyacinthac.).

- deserticola (Rech. f.) N. Feinbrun-Dothan, Fl. Palaestina, 4: 70 (1986): Muscari deserticolum.
- longipes
- subsp. negevensis N. Feinbrun-Dothan & Danin in N. Feinbrun-Dothan, Fl. Palaestina, 4: 397, 71 (1986)—Israel, Sinai Peninsula.

**LEPANTHES** (Orchidac.).

- subgen. Brachycladium C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 31 (1986), nom. nov.: L. sect. Brachyclada Rehb. f.
- sect. Caprimulginae C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 34 (1986).
- subgen. Draconanthes C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 32 (1986).
- subsect. Elongatae C.A. Luer in Lindleyana, 2(2): 95 (1987).
- sect. Felinae C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 34 (1986).
- subgen. Marsiphanthes C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 34 (1986).
- sect. Marsiphanthes C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 34 (1986).
- actias-luna C.A. Luer & A.C. Hirtz in Lindleyana, 2(1): 30 (1987)—Ecuador.
- aeora C.A. Luer & A.C. Hirtz in Lindleyana, 2(1): 32 (1987)—Ecuador.
- ankistra C.A. Luer & R.L. Dressler in Orquideologia, 16(3): 12 (1986)—Panama.
- antilocapra C.A. Luer & R.L. Dressler in Orquideologia, 16(3): 15 (1986)—Panama.

**LEPANTHES** :-

- aprica P.M. Catling & V.R. Catling in Canad. J. Bot., 66(11): 2130 (1988)—Mexico.
- arachnion C.A. Luer & R.L. Dressler in Orquideologia, 16(3): 6 (1986)—Panama.
- archilae C.A. Luer & M. Behar in Lindleyana, 5(3): 182 (1990)—Guatemala.
- asoma C.A. Luer & A.C. Hirtz in Orchidee, 37(5): 213 (1986)—Ecuador.
- avicularia C.A. Luer & A.C. Hirtz in Lindleyana, 2(1): 32 (1987)—Ecuador.
- bahorucana H.A. Hespenheide & D.D. Dod in Moscosoa, 5: 252 (1989), as 'barahucana'—Hispaniola (Dominican Republic, Haiti).
- beharii C.A. Luer in Lindleyana, 5(3): 185 (1990)—Guatemala.
- biappendiculata C.A. Luer in Phytologia, 59(7): 444 (1986), as 'biappandiculata'—Venezuela.
- binaria C.A. Luer & A.C. Hirtz in Orchidee, 38(6): 291 (1987)—Ecuador, Colombia.
- bituberculata C.A. Luer & Hirtz in Lindleyana, 2(3): 125 (1987)—Ecuador.
- bufonis C.A. Luer & Hirtz in Lindleyana, 2(2): 96 (1987)—Ecuador.
- callisto C.A. Luer & A.C. Hirtz in Orchidee, 38(6): 287 (1987)—Ecuador.
- calocodon C.A. Luer in Phytologia, 59(7): 445 (1986)—Venezuela.
- caloura C.A. Luer & A.C. Hirtz in Orchidee, 38(6): 285 (1987)—Ecuador.
- carinata C.A. Luer & A.C. Hirtz in Orchidee, 41(5): 163 (1990)—Ecuador.
- caudatisepala H.A. Hespenheide & D.D. Dod in Moscosoa, 5: 254 (1989)—Hispaniola (Dominican Republic).
- celox C.A. Luer & A.C. Hirtz in Lindleyana, 2(1): 36 (1987)—Ecuador.
- chapina C.A. Luer & M. Behar in Lindleyana, 5(3): 185 (1990)—Guatemala.
- chrysina C.A. Luer & Hirtz in Lindleyana, 2(3): 128 (1987)—Ecuador.
- collaris C.A. Luer in Lindleyana, 2(4): 185 (1987)—Panama.
- comet-hallei C.A. Luer in Lindleyana, 2(4): 185 (1987)—Costa Rica.
- condorensis C.A. Luer & A.C. Hirtz in Orchidee, 38(6): 283 (1987)—Ecuador.
- conjuncta C.A. Luer & Hirtz in Lindleyana, 2(3): 128 (1987)—Ecuador.
- crossota C.A. Luer in Lindleyana, 2(4): 188 (1987)—Panama, Costa Rica.
- cryptantha H.A. Hespenheide & D.D. Dod in Moscosoa, 6: 177 (1990)—Hispaniola (Dominican Republic).
- ctenophora C.A. Luer & Hirtz in Lindleyana, 2(3): 129 (1987)—Ecuador.
- decurva C.A. Luer & A.C. Hirtz in Orchidee, 39(3): 103 (1988)—Ecuador.
- deformis C.A. Luer & A.C. Hirtz in Orchidee, 38(1): 38 (1987)—Ecuador.
- dipteryx C.A. Luer & Hirtz in Lindleyana, 2(2): 96 (1987)—Ecuador.
- disjuncta C.A. Luer & Hirtz in Lindleyana, 2(3): 129 (1987)—Ecuador.
- domingensis H.A. Hespenheide & D.D. Dod in Moscosoa, 5: 256 (1989)—Hispaniola (Dominican Republic, Haiti).
- droseroides C.A. Luer in Lindleyana, 2(4): 188 (1987)—Panama.
- ejecta C.A. Luer & A.C. Hirtz in Orchidee, 38(1): 36 (1987)—Ecuador.
- elaminata C.A. Luer & Hirtz in Lindleyana, 2(3): 132 (1987)—Ecuador.
- elongata C.A. Luer & Hirtz in Lindleyana, 2(2): 99 (1987)—Ecuador.
- embreei C.A. Luer & Hirtz in Lindleyana, 2(3): 132 (1987)—Ecuador.
- erepsis C.A. Luer & A.C. Hirtz in Orchidee, 37(5): 215 (1986)—Ecuador.
- eruca C.A. Luer & Hirtz in Lindleyana, 2(3): 135 (1987)—Ecuador.
- exotica H.A. Hespenheide & D.D. Dod in Moscosoa, 6: 179 (1990)—Hispaniola (Dominican Republic).
- exposita C.A. Luer in Lindleyana, 2(4): 191 (1987)—Panama.
- fiskei C.A. Luer in Amer. Orchid Soc. Bull., 58(2): 135 (1989)—Ecuador.

**LEPANTHES** :-

- fratercula C.A. Luer & M. Behar in *Lindleyana*, 5(3): 188 (1990)—Guatemala.
- fuertesi H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 179 (1990)—Hispaniola (Dominican Republic).
- gargoyla C.A. Luer & A.C. Hirtz in *Orchidee*, 39(2): 59 (1988)—Ecuador.
- geniculata C.A. Luer & M. Behar in *Lindleyana*, 5(3): 188 (1990)—Guatemala.
- glicensteinii C.A. Luer in *Lindleyana*, 2(4): 191 (1987)—Costa Rica.
- glochidea C.A. Luer in *Phytologia*, 59(7): 446 (1986)—Venezuela.
- hagsateri G.A. Salazar Chávez & M.A. Soto Arenas in *Orquidea (México)*, 11: 16 (1988)—Mexico.
- herpaga H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 167 (1990), nom. nov.: *L. caudatisepala Hespenheide & Dod*.
- hirsuta H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 182 (1990)—Hispaniola (Dominican Republic, Haiti).
- hirsutula C.A. Luer & Hirtz in *Lindleyana*, 2(3): 135 (1987)—Ecuador.
- horichii C.A. Luer in *Lindleyana*, 2(4): 194 (1987)—Costa Rica.
- hubeinii C.A. Luer in *Orchidee*, 38(2): 58 (1987)—Colombia.
- hughsonii H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 184 (1990)—Hispaniola (Dominican Republic).
- hymenoptera C.A. Luer & A.C. Hirtz in *Orchidee*, 39(3): 101 (1988)—Ecuador.
- ibanezi C.A. Luer & M. Behar in *Lindleyana*, 5(3): 191 (1990)—Guatemala.
- implexa C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 36 (1987)—Ecuador.
- incantata C.A. Luer in *Lindleyana*, 2(4): 194 (1987)—Panama.
- inescata C.A. Luer in *Lindleyana*, 2(4): 197 (1987)—Costa Rica.
- jackinpyxa C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 38 (1987)—Ecuador.
- josei H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 186 (1990)—Hispaniola (Dominican Republic, Haiti).
- juanii C.A. Luer & M. Behar in *Lindleyana*, 5(3): 191 (1990)—Guatemala.
- jugum C.A. Luer in *Lindleyana*, 2(4): 197 (1987)—Costa Rica.
- llanganatensis C.A. Luer & A.C. Hirtz in *Orchidee*, 41(5): 161 (1990)—Ecuador.
- lucifer C.A. Luer & A.C. Hirtz in *Amer. Orchid Soc. Bull.*, 56(10): 1016 (1987)—Ecuador.
- macalpinii C.A. Luer in *Lindleyana*, 2(4): 197 (1987)—Costa Rica.
- mastix C.A. Luer & Hirtz in *Lindleyana*, 2(2): 99 (1987)—Ecuador.
- meganthera C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 38 (1987)—Ecuador.
- mentosa C.A. Luer in *Lindleyana*, 2(4): 201 (1987)—Costa Rica.
- mephistopheles C.A. Luer & A.C. Hirtz in *Orchidee*, 38(1): 34 (1987)—Ecuador.
- mittelstaedtii C.A. Luer & M. Behar in *Lindleyana*, 5(3): 191 (1990)—Guatemala.
- monteverdensis C.A. Luer & Escobar in *Lindleyana*, 2(4): 201 (1987)—Costa Rica.
- mulderae C.A. Luer in *Lindleyana*, 2(4): 204 (1987)—Costa Rica.
- myiophora C.A. Luer in *Lindleyana*, 2(4): 204 (1987)—Panama.
- nambijae C.A. Luer & Hirtz in *Lindleyana*, 2(3): 138 (1987)—Ecuador.
- navicularis C.A. Luer in *Phytologia*, 59(7): 447 (1986)—Venezuela.
- necopina C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 42 (1987)—Ecuador.
- nutanticaulis H.A. Hespenheide & D.D. Dod in *Moscosoia*, 5: 258 (1989)—Hispaniola (Dominican Republic, Haiti).
- odobenella C.A. Luer & A.C. Hirtz in *Orchidee*, 37(5): 217 (1986)—Ecuador.
- odontolabis C.A. Luer in *Lindleyana*, 2(4): 207 (1987)—Panama.
- ophiostele C.A. Luer in *Phytologia*, 59(7): 448 (1986)—Venezuela.
- oreophila P.M. Catling & V.R. Catling in *Canad. J. Bot.*, 66(11): 2130 (1988)—Mexico.

**LEPANTHES** :-

- ova-rajae C.A. Luer in *Lindleyana*, 2(4): 207 (1987)—Costa Rica.
- oxypetala C.A. Luer & A.C. Hirtz in *Orchidee*, 39(2): 57 (1988)—Ecuador.
- pachyphylla C.A. Luer & M. Behar in *Lindleyana*, 5(3): 194 (1990)—Guatemala.
- pachyrhiza C.A. Luer & Hirtz in *Lindleyana*, 2(3): 138 (1987)—Ecuador.
- palatoflora H.A. Hespenheide & D.D. Dod in *Moscosoia*, 5: 260 (1989)—Hispaniola (Dominican Republic).
- pantomima C.A. Luer & R.L. Dressler in *Orquideologia*, 16(3): 3 (1986)—Panama.
- papallactae C.A. Luer & Hirtz in *Lindleyana*, 2(2): 102 (1987)—Ecuador.
- pectinata C.A. Luer in *Phytologia*, 59(7): 449 (1986)—Venezuela.
- pecunialis C.A. Luer & A.C. Hirtz in *Orchidee*, 37(5): 219 (1986)—Ecuador.
- penicillata H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 188 (1990)—Hispaniola (Dominican Republic).
- pexa C.A. Luer in *Lindleyana*, 2(4): 181 (1987)—Panama.
- posthon C.A. Luer in *Lindleyana*, 2(4): 210 (1987)—Costa Rica.
- prionota C.A. Luer & Hirtz in *Lindleyana*, 2(2): 102 (1987)—Ecuador.
- profusa C.A. Luer & A.C. Hirtz in *Orchidee*, 41(1): 10 (1990)—Ecuador.
- pygmaea C.A. Luer in *Lindleyana*, 2(4): 210 (1987)—Costa Rica.
- quetzalensis C.A. Luer & M. Behar in *Lindleyana*, 5(3): 194 (1990)—Guatemala.
- rauhii C.A. Luer in *Orchidee*, 38(2): 59 (1987)—Panama.
- regularis C.A. Luer in *Lindleyana*, 2(4): 210 (1987)—Panama.
- reventador C.A. Luer & A.C. Hirtz in *Orchidee*, 41(1): 8 (1990)—Ecuador.
- sannio C.A. Luer & Escobar in *Lindleyana*, 2(4): 214 (1987)—Costa Rica.
- satyrica C.A. Luer & Hirtz in *Lindleyana*, 2(3): 141 (1987)—Ecuador.
- scolex C.A. Luer in *Phytologia*, 59(7): 450 (1986)—Venezuela.
- seegeri C.A. Luer in *Orchidee*, 38(2): 60 (1987)—Panama.
- series C.A. Luer & Hirtz in *Lindleyana*, 2(2): 105 (1987)—Ecuador.
- silvae H. Dietrich in *Wiss. Zeitschr. Friedrich-Schiller-Univ. Jena, Mat. Naturwiss.*, 37(1): 157 (1988)—Cuba.
- sobrina C.A. Luer & Hirtz in *Lindleyana*, 2(3): 141 (1987)—Ecuador.
- sororcula C.A. Luer & Hirtz in *Lindleyana*, 2(3): 144 (1987)—Ecuador.
- stalactites C.A. Luer & Hirtz in *Lindleyana*, 2(2): 105 (1987)—Ecuador.
- stegastes C.A. Luer & Hirtz in *Lindleyana*, 2(3): 144 (1987)—Ecuador.
- surrogata C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 42 (1987)—Ecuador.
- tecpanica C.A. Luer & M. Behar in *Lindleyana*, 5(3): 198 (1990)—Guatemala.
- tectorum C.A. Luer & Hirtz in *Lindleyana*, 2(3): 147 (1987)—Ecuador.
- teretipetala H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 188 (1990)—Hispaniola (Dominican Republic).
- tetroptera C.A. Luer in *Lindleyana*, 2(4): 214 (1987)—Panama.
- thylax C.A. Luer & A.C. Hirtz in *Lindleyana*, 2(1): 45 (1987)—Ecuador.
- titanica C.A. Luer & Hirtz in *Lindleyana*, 2(3): 147 (1987)—Ecuador.
- trullifera H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 191 (1990)—Hispaniola (Dominican Republic).
- truncata C.A. Luer & R.L. Dressler in *Orquideologia*, 16(3): 9 (1986)—Panama.
- tudiana H.A. Hespenheide & D.D. Dod in *Moscosoia*, 6: 193 (1990)—Hispaniola (Dominican Republic).
- tungurahuae C.A. Luer & Hirtz in *Lindleyana*, 2(3): 151 (1987)—Ecuador.
- velata C.A. Luer & Hirtz in *Lindleyana*, 2(2): 108 (1987)—Ecuador.

**LEPANTHES** :-

- via-incarum C.A. Luer & Hirtz in *Lindleyana*, 2(3): 151 (1987)—Ecuador.
- vibrissa C.A. Luer & Hirtz in *Lindleyana*, 2(3): 155 (1987)—Ecuador.
- xenos C.A. Luer & A.C. Hirtz in *Orchidee*, 38(1): 32 (1987)—Ecuador.
- yanganai C.A. Luer & Hirtz in *Lindleyana*, 2(2): 108 (1987)—Ecuador.
- yuvilensis P.M. Catling in *Orquidea (México)*, 12(1): 23 (1990)—Mexico.

**LEPANTHOPSIS** (Orchidac.).

- aristata D.D. Dod in *Moscosoia*, 4: 143 (1986)—Hispaniola (Haiti).
- atrosetifera D.D. Dod in *Moscosoia*, 4: 145 (1986)—Hispaniola (Haiti).
- cucullata D.D. Dod in *Moscosoia*, 4: 145 (1986)—Hispaniola (Haiti).
- haitiensis D.D. Dod in *Moscosoia*, 4: 148 (1986)—Hispaniola (Haiti).
- lingulata D.D. Dod in *Moscosoia*, 4: 150 (1986)—Hispaniola (Haiti).
- melichiae D.D. Dod in *Moscosoia*, 3: 119 (1984), as 'melichii'—Hispaniola (Haiti).
- ornipteridion D.D. Dod in *Moscosoia*, 4: 152 (1986)—Hispaniola (Haiti).
- paryskii D.D. Dod in *Moscosoia*, 4: 152 (1986)—Hispaniola (Haiti).
- pristis C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 27 (1986)—Colombia.
- quisqueyana D.D. Dod in *Moscosoia*, 4: 155 (1986)—Hispaniola (Dominican Republic, Haiti).

**LEPECHINIA** (Labi.).

- cocuyensis J.R.I. Wood in *Kew Bull.*, 43(2): 293 (1988)—Colombia.
- hastata  
subsp. socorrensis R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 39 (1989)—Revilla Gígedo Is.
- velutina J.R.I. Wood in *Kew Bull.*, 43(2): 295 (1988)—Colombia.
- vulcanicola J.R.I. Wood in *Kew Bull.*, 43(2): 299 (1988)—Colombia.

**LEPECHINIELLA** (Boraginac.).

- microcarpa  
subsp. inconspicua (Brand) F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 55 (1989): *Paracaryum inconspicuum*.

**LEPIDAGATHIS** (Acanthac.).

- hamiltoniana  
subsp. collina (Endlicher) J.K. Morton in *Bot. J. Linn. Soc.*, 96(4): 341 (1988): *Russegera collina*.
- incurva  
var. aristata (Fischer) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 334 (1990): *L. hyalina* var. *aristata*.
- var. mollis (C.B. Clarke) R.K. Gupta, *Living Himalayas*, 2: 310 (1989): *L. hyalina* var. *mollis*.

**LEPIDAPLOA** (Compos.).

- acuminata (Less.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia acuminata*.
- acutiangula (Gardn.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia acutiangula*.
- alvimii (H. Robinson) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia alvimii*.
- araguensis (Badillo) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia araguensis*.
- araripensis (Gardn.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia araripensis*.
- arborescens (L.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Conyza arborescens*.
- arbuscula (Less.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 481 (1990): *Vernonia arbuscula*.
- arenaria (Mart. ex DC.) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 482 (1990): *Vernonia arenaria*.
- argyrotricha (Sch. Bip. ex Baker) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 482 (1990): *Vernonia argyrotricha*.
- aristosquamosa (Britton) H. Robinson in *Proc. Biol. Soc. Wash.*, 103(2): 482 (1990): *Vernonia aristosquamosa*.

**LEPIDAPLOA :-**

- aronifolia (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990): Vernonia aronifolia.
- aurea (Mart. ex DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990): Vernonia aurea.
- ayantepuensis (Aristeg.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990): Vernonia ayantepuensis.
- bakerana (Britton) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990): Vernonia bakerana.
- barbata (Less.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990): Vernonia barbata.
- beckii H. Robinson in Proc. Biol. Soc. Wash., 103(2): 482 (1990)—Bolivia.
- bolivarensis (Badillo) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 483 (1990): Vernonia bolivarensis.
- borinquensis (Urban) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 483 (1990): Vernonia borinquensis.
- buchtienii (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 483 (1990): Vernonia buchtienii.
- canescens (H.B.K.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 483 (1990): Vernonia canescens.
- var. opposita (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia canescens var. opposita.
- carachensis (Badillo) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia carachensis.
- chalybaea (Mart. ex DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia chalybaea.
- chamissonis (Less.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia chamissonis.
- chrysotricha (Alexander) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia chrysotricha.
- cleocalderonae (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia cleocalderonae.
- commutata (Ekman) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia commutata.
- complicata (Wright ex Griseb.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 485 (1990): Vernonia complicata.
- cordiaefolia (H.B.K.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia cordiaefolia.
- costanensis (Badillo) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia costanensis.
- costata (Rusby) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia costata.
- cotoneaster (Willd. ex Spreng.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Conyza cotoneaster.
- coulonioides (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia coulonioides.
- crassifolia (Rusby) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia crassifolia.
- cuiabensis (Baker) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia cuiabensis.
- danielis (Cuatr.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia danielis.
- decumbens (Gardner) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia decumbens.
- deflexa (Rusby) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia deflexa.
- densipaniculata (Rusby) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia densipaniculata.
- desiliens (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia desiliens.
- edmundoi (Barroso) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 486 (1990): Vernonia edmundoi.
- ehretiifolia (Benth.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia ehretiifolia.
- ekmanii (Urban) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia ekmanii.
- eriolepis (Gardner) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia eriolepis.
- ferreyrae (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia ferreyrae.
- fieldiana (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia fieldiana.
- fournetii (H. Robinson & B. Kahn) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia fournnetii.
- frangulaefolia (H.B.K.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Vernonia frangulaefolia.

**LEPIDAPLOA :-**

- fruticosa (L.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Conyza fruticosa.
- glabra (Willd.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 487 (1990): Conyza glabra.
- gnaphaliifolia (A. Rich.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia gnaphaliifolia.
- gnaphalioides (Sch. Bip. ex Mart.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia gnaphalioides.
- gracilis (H.B.K.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia gracilis.
- grisea (Baker) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia grisea.
- hagei (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia hagei.
- harrisii (S. Moore) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia harrisii.
- helophila (Mart. ex DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia helophila.
- jenssenii (Ekman ex Urban) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia jenssenii.
- karstenii (Sch. Bip.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 488 (1990): Vernonia karstenii.
- lehmannii (Hieron.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia lehmannii.
- leptoclada (Sch. Bip.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia leptoclada.
- liesneri (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia liesneri.
- lilacina (Mart. ex DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia lilacina.
- luetzelburgii (Mattf.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia luetzelburgii.
- macahensis (Glaziou ex Barroso) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia macahensis.
- mandonii (Sch. Bip. ex Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia mandonii.
- mapirensis (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 489 (1990): Vernonia mapirensis.
- mucronifolia (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia mucronifolia.
- muricata (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia muricata.
- myriocephala (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia myriocephala.
- nitens (Gardner) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia nitens.
- obtusifolia (Less.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia obtusifolia.
- orbicularis (Alain) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia orbicularis.
- pallens (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia pallens.
- pari (Badillo) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia pari.
- persericea (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia persericea.
- persicifolia (Desf.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 490 (1990): Vernonia persicifolia.
- pineticola (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia pineticola.
- pinheiroi (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia pinheiroi.
- pluvialis (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia pluvialis.
- proctorii (Urbatsch) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia proctorii.
- psilostachya (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia psilostachya.
- purpurata (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia purpurata.
- reflexa (Gardner) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia reflexa.
- remotiflora (L.C. Rich.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia remotiflora.
- retrosetosa (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia retrosetosa.
- rigida (Swartz) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Conyza rigida.
- rimachii (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 491 (1990): Vernonia rimachii.
- rufogrisea (St. Hil.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia rufogrisea.

**LEPIDAPLOA :-**

- sagraeana (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia sagraeana.
- salzmännii (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia salzmännii.
- scleareaefolia (Sch. Bip.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia scleareaefolia.
- segregata (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia segregata.
- sericea (L.C. Rich.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia sericea.
- silvae (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 492 (1990): Vernonia silvae.
- solomonii H. Robinson in Proc. Biol. Soc. Wash., 103(2): 493 (1990)—Bolivia.
- sordidopapposa (Hieron.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 493 (1990): Vernonia sordidopapposa.
- sororia (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 493 (1990): Vernonia sororia.
- stenophylla (Less.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 493 (1990): Vernonia stenophylla.
- subsquarrosa (DC.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia subsquarrosa.
- tarijensis (Griseb.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia sericea var. tarijensis.
- tenella (D. Nash) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia tenella.
- tombadorensis (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia tombadorensis.
- tortuosa (L.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Conyza tortuosa.
- tovarensis (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia towarensis.
- trichoclada (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia trichoclada.
- trilectorum (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia trilectorum.
- trinitatis (Ekman) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 495 (1990): Vernonia trinitatis.
- tristis (Hieron.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia tristis.
- uniflora (Miller) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Conyza uniflora.
- urbaniana (Ekman ex Urban) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia urbaniana.
- verticillata (Proctor ex Adams) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia verticillata.
- viminalis (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia viminalis.
- violiceps (H. Robinson) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia violiceps.
- virentiformis (Malme) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia virentiformis.
- wrightii (Sch. Bip.) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia wrightii.
- yunquensis (Gleason) H. Robinson in Proc. Biol. Soc. Wash., 103(2): 496 (1990): Vernonia yunquensis.

**LEPIDIDIUM (Crucif.).**

- aletes
- var. integrifolium (Thell.) O. Boelcke in Parodiana, 4(1): 58 (1986): L. calycinum var. integrifolium.
- boelckei I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 76(4): 1189 (1989)—Argentina.
- gracile (Chod. & Hassler) O. Boelcke in Parodiana, 4(1): 36 (1986): L. bonariense var. gracile.
- gussonii Schrad., Ind. Sem. Hort. Acad. Gott., 1833: 4 (1833); cf. D.F. Mabblerley in Taxon, 32(1): 85 (1983)—Locality not stated.
- jujuyanum I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 76(4): 1189 (1989)—Argentina.
- nesophilum Hewson ex P.S. Green in Kew Bull., 45(2): 237 (1990)—Lord Howe Is.
- solomonii I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 73(4): 830 (1986 publ. 1987)—Bolivia.
- stuckertianum (Thell.) O. Boelcke in Parodiana, 4(1): 40 (1986): L. bonariense var. stuckertianum.

**LEPIDOCERAS (Eremolepidac.).**

- peruvianum J. Kuijt, Monogr. Eremolepidac. (Syst. Bot. Monogr., 18): 50 (1988)—Peru.



**LEPIDOCORDIA** (Boraginac.).

*williamsii* (I.M. Johnston) J.S. Miller in *Phytologia*, 66(6): 476 (1989): *Antrophora williamsii*.

**LEPIDOLOPHA** (Compos.).

subsect. *Eriophyllae* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 166 (1987).  
subsect. *Gymnophyllae* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 165 (1987).  
sect. *Longipedunculatae* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 166 (1987).  
subsect. *Psilophyllae* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 167 (1987).

**LEPIDONIA** (Compos.).

*callilepis* (Gleason) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia callilepis*.  
*corae* (Standl. & Steyerl.) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia corae*.  
*jonesii* (B. Turner) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia jonesii*.  
*lankesteri* (Blake) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia lankesteri*.  
*mexicana* (Less.) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia mexicana*.  
*salvinae* (Hemsl.) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2-3): 225 (1987): *Vernonia salvinae*.

**LEPIGONUM** (Caryophyllac.).

*mollugineum* (Lag.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1838: 4 (1838); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983): *Basionym* not stated.  
*segetale* (L.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1839: 5 (1839); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983): *Basionym* not stated.

**LEPILAENA** (Zannichelliace.).

*patentifolia* E.L. Robertson in *Fl. S. Australia*, 4: 1736 (1986)—Australia (S. Australia, Victoria), Tasmania.

**LEPISMIUM** (Cactac.).

subgen. *Acanthorhipsalis* (Schumann) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis* subgen. *Acanthorhipsalis*.  
subgen. *Lymanbensonia* (Kimmach) W. Barthlott in *Bradleya*, 5: 99 (1987): gen. *Lymanbensonia*.  
subgen. *Ophiorhipsalis* (Schumann) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis* subgen. *Ophiorhipsalis*.  
subgen. *Pfeiffera* (Salm-Dyck) W. Barthlott in *Bradleya*, 5: 99 (1987): gen. *Pfeiffera*.  
*aculeatum* (F.A.C. Weber) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis aculeata*.  
*brevispinum* W. Barthlott in *Bradleya*, 5: 99 (1987)—Peru.  
*crenatum* (Britton) W. Barthlott in *Bradleya*, 5: 99 (1987): *Hariota crenata*.  
*houlettianum* (Lemaire) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis houlettiana*.  
var. *regnellii* (Lindberg) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis regnellii*.  
*ianthothele* (Monville) W. Barthlott in *Bradleya*, 5: 99 (1987): *Cereus ianthothele*.  
*incachacanum* (Cardenas) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis incachacana*.  
*lorentzianum* (Grisebach) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis lorentziana*.  
*lumbroides* (Lemaire) W. Barthlott in *Bradleya*, 5: 99 (1987): *Cereus lumbroides*.  
*micranthum* (Vaupe) W. Barthlott in *Bradleya*, 5: 99 (1987): *Cereus micranthus*.  
*miyagawae* (Barthlott & Rauh) W. Barthlott in *Bradleya*, 5: 99 (1987): *Pfeiffera miyagawae*.  
*monacanthum* (Grisebach) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis monacantha*.  
*paranganiense* (Cardenas) W. Barthlott in *Bradleya*, 5: 99 (1987): *Acanthorhipsalis paranganiensis*.  
*warmingianum* (Schumann) W. Barthlott in *Bradleya*, 5: 99 (1987): *Rhipsalis warmingiana*.

**LEPTAULUS** (Icacinae.).

*madagascariensis* J.F. Villiers in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(4): 369 (1988 publ. 1989)—Madagascar.

**LEPTINELLA** (Compos.).

subgen. *Radiata* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula* ser. *Radiata*.  
*albida* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula albida*.  
*altitloralis* (P. Royen & D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 104 (1987): *Cotula altitloralis*.  
*atrata* (Hook. f.) D.H. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula atrata*.  
subsp. *luteola* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula atrata* subsp. *luteola*.  
*calcareo* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula calcareo*.  
*dendyi* (Cockayne) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula dendyi*.  
*dioica*  
subsp. *monoica* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula dioica* subsp. *monoica*.  
*dispersa* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula dispersa*.  
subsp. *rupestris* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula dispersa* subsp. *rupestris*.  
*drummondii* (Benth.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula drummondii*.  
*filiformis* (Hook. f.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula filiformis*.  
*goyenii* (Petrie) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula goyenii*.  
*intermedia* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula intermedia*.  
*leptoloba* (Mattf.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 104 (1987): *Cotula leptoloba*.  
*maniototo* (Petrie) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula maniototo*.  
*nana* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula nana*.  
*pectinata* (Hook. f.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula pectinata*.  
subsp. *villosa* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula pectinata* subsp. *villosa*.  
subsp. *willcoxii* (Cheeseman) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula willcoxii*.  
*pyrethrifolia* (Hook. f.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula pyrethrifolia*.  
var. *linearifolia* (Cheeseman) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula linearifolia*.  
*reptans* (Benth.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Strongylosperma reptans*.  
*rotundata* (Cheeseman) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula dioica* var. *rotundata*.  
*sarawaketensis* (P. Royen & D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 104 (1987): *Cotula sarawaketensis*.  
*serrulata* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula serrulata*.  
*squalida*  
subsp. *mediana* (D. Lloyd) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 103 (1987): *Cotula squalida* subsp. *mediana*.  
*tenella* (Cunn.) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Soliva tenella*.  
*traillii* (Kirk) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula traillii*.  
subsp. *pulchella* (Kirk) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 102 (1987): *Cotula pulchella*.  
*wilhelminensis* (P. Royen) D.G. Lloyd & C.J. Webb in *New Zealand J. Bot.*, 25(1): 104 (1987): *Cotula wilhelminensis*.

**LEPTOCHLOA** (Gramin.).

*marquensis* (F. Brown) P.M. Peterson & E.J. Judziewicz in *Taxon*, 39(4): 659 (1990): *Eragrostis marquensis*.  
*xerophila* P.M. Peterson & E.J. Judziewicz in *Taxon*, 39(4): 659 (1990), nom. nov.: *Eragrostis xerophila* F. Brown.

**LEPTOCORYPHIUM** (Gramin.).

*villaregalis* R. McVaugh & R. Guzmán in R. McVaugh, *Fl. Novo-Galiciana*, 14: 218 (1983)—Mexico.

**LEPTODACTYLON** (Polemoniace.).

*californicum*  
subsp. *brevitrichomum* P.J. Gordon-Reedy in *Madroño*, 37(1): 36 (1990)—U.S.A. (California).  
subsp. *leptotrichomum* P.J. Gordon-Reedy in *Madroño*, 37(1): 38 (1990)—U.S.A. (California).  
subsp. *tomentosum* P.J. Gordon-Reedy in *Madroño*, 37(1): 40 (1990)—U.S.A. (California).  
*pungens*  
subsp. *hazeliae* (Peck) R.J. Meinke in *Madroño*, 35(2): 107 (1988): *L. hazeliae*.

×**LEPTODENDRUM** hort. in *Orchid Rev.*, 95(1127): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (*Epidendrum* × *Leptotes*).

**LEPTODERMIS** (Rubiace.).

*diffusa*  
var. *umbellata* (Batal.) Z.Y. Zhang in *Fl. Tsingensis*, 1(5): 10 (1985): *L. umbellata*.

**LEPTOMISCHUS** (Rubiace.).

*parviflorus* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 49 (1986)—China, Vietnam.

**LEPTONYCHIA** (Sterculiace.).

*banahaensis*  
var. *papuana* J.F. Veldkamp & R.C.H. Flippi in *Blumea*, 32(2): 450 (1987)—New Guinea (W. Irian, Papua New Guinea), Moluccas.  
*parviflora* (Ridley) J.F. Veldkamp & R.C.H. Flippi in *Blumea*, 32(2): 455 (1987): *Leptonychiopsis parviflora*.

**LEPTOPUS** (Euphorbiace.).

*chinensis*  
var. *pubescens* (Hutch.) S.B. Ho in *Fl. Tsingensis*, 1(3): 168 (1981): *Andrachne capillipes* var. *pubescens*.  
*esquirolii*  
var. *villosus* P.T. Li in *Acta Phytotax. Sin.*, 26(1): 61 (1988)—China.  
*pachyphyllus* X.X. Chen in *Guihaia*, 8(3): 233 (1988)—China.

**LEPTORHYNCHOS** (Compos.).

*scabrus* (Benth.) L. Haegi in *Fl. S. Australia*, 3: 1558 (1986): *Rhytidanthus scabra*.

**LEPTOSEMA** (Legumin.).

*aculeatum* M.D. Crisp in *J. Adelaide Bot. Gard.*, 10(1): 131 (1987)—Australia (W. Australia).  
*daviesioides* (Turcz.) M.D. Crisp in *J. Adelaide Bot. Gard.*, 10(1): 131 (1987): *Kaleniczienkia daviesioides*.

**LEPTOSIPHON** (Polemoniace.).

*multiflorus* Haage & Schmidt, *Belgique horticole*, 22: 85 (1872); *Bull. Retail List*, 67: 11 (1872); cf. D.J. Mabberley in *Taxon*, 34(3): 454 (1985)—Locality not stated.

**LEPTOSPERMUM** (Myrtac.).

*argenteum* J. Thompson in *Telopea*, 3(3): 413 (1989)—Australia (New South Wales).  
*blakelyi* J. Thompson in *Telopea*, 3(3): 378 (1989)—Australia (New South Wales).  
*confertum* J. Thompson in *Telopea*, 3(3): 362 (1989)—Australia (W. Australia).  
*continentale* J. Thompson in *Telopea*, 3(3): 417 (1989)—Australia (New South Wales, Victoria, S. Australia).  
*crassifolium* J. Thompson in *Telopea*, 3(3): 438 (1989)—Australia (New South Wales).  
*deanei* J. Thompson in *Telopea*, 3(3): 364 (1989)—Australia (New South Wales).

**LEPTOSPERMUM** :-

- deuense *J. Thompson in Telopea*, 3(3): 424 (1989)—Australia (New South Wales).  
 exsertum *J. Thompson in Telopea*, 3(3): 352 (1989)—Australia (W. Australia).  
 gregarium *J. Thompson in Telopea*, 3(3): 411 (1989)—Australia (New South Wales, Queensland).  
 inelegans *J. Thompson in Telopea*, 3(3): 376 (1989)—Australia (W. Australia).  
 lamellatum *J. Thompson in Telopea*, 3(3): 384 (1989)—Australia (Queensland).  
 macgillivrayi *J. Thompson in Telopea*, 3(3): 347 (1989)—Australia (W. Australia).  
 macrocarpum (*Maiden & Betche*) *J. Thompson in Telopea*, 3(3): 432 (1989): *L. lanigerum* var. *macrocarpum*.  
 morrisonii *J. Thompson in Telopea*, 3(3): 402 (1989)—Australia (New South Wales).  
 neglectum *J. Thompson in Telopea*, 3(3): 383 (1989)—Australia (Queensland).  
 novae-angliae *J. Thompson in Telopea*, 3(3): 405 (1989)—Australia (New South Wales, Queensland).  
 oreophilum *J. Thompson in Telopea*, 3(3): 404 (1989)—Australia (Queensland).  
 petersonii  
   *subsp. lanceolatum J. Thompson in Telopea*, 3(3): 394 (1989)—Australia (Queensland).  
 petraeum *J. Thompson in Telopea*, 3(3): 436 (1989)—Australia (New South Wales).  
 polyanthum *J. Thompson in Telopea*, 3(3): 381 (1989)—Australia (New South Wales).  
 polygalifolium  
   *subsp. cismontanum J. Thompson in Telopea*, 3(3): 400 (1989)—Australia (New South Wales, Queensland).  
   *subsp. howense J. Thompson in Telopea*, 3(3): 401 (1989)—Lord Howe Is.  
   *subsp. montanum J. Thompson in Telopea*, 3(3): 399 (1989)—Australia (New South Wales, Queensland).  
   *subsp. transmontanum J. Thompson in Telopea*, 3(3): 401 (1989)—Australia (New South Wales, Queensland).  
   *subsp. tropicum J. Thompson in Telopea*, 3(3): 401 (1989)—Australia (Queensland).  
 purpurascens *J. Thompson in Telopea*, 3(3): 355 (1989)—Australia (Queensland).  
 rupicola *J. Thompson in Telopea*, 3(3): 420 (1989)—Australia (New South Wales).  
 sejunctum *J. Thompson in Telopea*, 3(3): 407 (1989)—Australia (New South Wales).  
 spectabile *J. Thompson in Telopea*, 3(3): 431 (1989)—Australia (New South Wales).  
 subglabratum *J. Thompson in Telopea*, 3(3): 368 (1989)—Australia (New South Wales).  
 subtenue *J. Thompson in Telopea*, 3(3): 353 (1989)—Australia (W. Australia).  
 thompsonii *J. Thompson in Telopea*, 3(3): 429 (1989)—Australia (New South Wales).  
 trinervium (*Smith*) *J. Thompson in Telopea*, 3(3): 366 (1989): *Melaleuca trinervia*.  
 turbinatum *J. Thompson in Telopea*, 3(3): 437 (1989)—Australia (Victoria).  
 variabile *J. Thompson in Telopea*, 3(3): 403 (1989)—Australia (Queensland, New South Wales).

**LEPTURUS** (Gramin.).

- stoddartii *F.R. Fosberg in Brittonia*, 40(1): 53 (1988)—Australia (Queensland).

**LERCHEA** (Rubiace.).

- beccariana (*Bakh. f.*) *B. Axelius in Blumea*, 32(1): 101 (1987): *L. paniculata* var. *beccariana*.  
 corymbosa *B. Axelius in Blumea*, 32(1): 97 (1987)—Sumatra.  
 parviflora *B. Axelius in Blumea*, 32(1): 105 (1987)—Sumatra.

**LESLIEA** G. Seidenfaden in *Op. Bot.*, 95: 190 (1988). **ORCHIDACEAE**.

- mirabilis G. Seidenfaden in *Op. Bot.*, 95: 190 (1988)—Thailand.

**LESPEDEZA** (Legumin.).

- ser. *Formosae S. Akiyama & H. Ohba in S. Akiyama, Rev. Gen. Lespedeza sect. Macrolespedeza (Univ. Mus. Univ. Tokyo Bull. 33): 116 (1988).*

**LESPEDEZA** :-

- ser. *Heterolespedeza (Nakai) S. Akiyama & H. Ohba in S. Akiyama, Rev. Gen. Lespedeza sect. Macrolespedeza (Univ. Mus. Univ. Tokyo Bull. 33): 142 (1988): L. sect. Heterolespedeza.*  
 bicolor  
   *f. niveoflora S. Akiyama & H. Ohba in S. Akiyama, Rev. Gen. Lespedeza sect. Macrolespedeza (Univ. Mus. Univ. Tokyo Bull. 33): 103 (1988), nom. nov.: L. bicolor f. albiflora Tatewaki.*  
   *f. pendula S.L. Tung & Z. Lu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 102 (1988)—China.*  
 davurica  
   *var. beipiaoensis P.H. Huang & J.S. Ma in Acta Phytotax. Sin., 25(5): 369 (1987)—China.*  
   *var. potaninii (Vass.) Y.X. Liou in Fl. Desert. Reipubl. Popul. Sin., 2: 443 (1987): L. potaninii.*  
   *var. potaninii (V. Vassil.) G.P. Yakovlev in Rast. Tsentral. Azi, 8a: 101 (1988), isonym: L. potaninii.*  
 formosa  
   *f. alba (Nakai) S. Akiyama & H. Ohba in S. Akiyama, Rev. Gen. Lespedeza sect. Macrolespedeza (Univ. Mus. Univ. Tokyo Bull. 33): 132 (1988): L. intermedia var. alba.*  
   *subsp. elliptica (Benth. ex Maxim.) S. Akiyama & H. Ohba in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 226 (1988): L. elliptica.*  
   *var. pubescens (Hayata) S.S. Ying, Coloured Illustr. Fl. Taiwan, 2: 368 (1987): L. pubescens.*  
   *var. satsumensis (Nakai) S. Akiyama & H. Ohba in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 228 (1988): L. satsumensis.*  
   *subsp. velutina (Nakai) S. Akiyama & H. Ohba in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 227 (1988): L. bicolor var. velutina.*  
   *var. velutina (Nakai) S. Akiyama & H. Ohba in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 227 (1988): L. bicolor var. velutina.*  
 frutescens *Hornem., Hort. Hafn.: 699 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984)—Locality not stated.*  
 hirta  
   *var. curtissii (Clewett) D. Isely in Brittonia, 38(4): 354 (1986): L. hirta subsp. curtissii.*  
 inschanica  
   *var. hava S.L. Tung & Z. Lu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 101 (1988)—China.*  
 maruyamana G. Murata in *Acta Phytotax. Geobot.*, 39(4-6): 149 (1988)—Japan.  
 patens  
   *f. sericea (Matsum.) S. Akiyama & H. Ohba in S. Akiyama, Rev. Gen. Lespedeza sect. Macrolespedeza (Univ. Mus. Univ. Tokyo Bull. 33): 139 (1988): L. bicolor f. sericea.*  
 potaninii  
   *f. breviracemi S.L. Tung & Z. Lu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 101 (1988)—China.*  
 thunbergii  
   *f. nivea (S. Akiyama & H. Ohba) H. Ohashi in J. Jap. Bot., 61(4): 124 (1986): L. patens f. nivea.*  
   *var. patens (Nakai) H. Ohashi in J. Jap. Bot., 61(4): 124 (1986): L. patens.*  
   *f. patens (Nakai) H. Ohashi in J. Jap. Bot., 61(4): 124 (1986): L. patens.*  
 tomentosa  
   *var. globiracemosa S.L. Tung & Z. Lu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 101 (1988)—China.*

**LESTIBUDESIA** (Amaranthac.).

- paniculata *R. Br. ex Sweet, Hort. Suburb. Lond.: 48 (1818); cf. D.J. Mabberley in Taxon, 30(1): 16 (1981)—Locality not stated.*

**LETHIA** P. Ravenna in *Nordic J. Bot.*, 6(5): 585 (1986). **IRIDACEAE**.

- umbellata (*Klatt*) P. Ravenna in *Nordic J. Bot.*, 6(5): 587 (1986): *Herbertia umbellata*.

**LEUCADENDRON** (Proteac.).

- pondoense *A.E. van Wyk in S. Afr. J. Bot.*, 56(4): 459 (1990)—South Africa (Cape Province).

**LEUCAENA** (Legumin.).

- leucocephala  
   *subsp. glabrata (Rose) S. Zárate Pedroche in Phytologia, 63(4): 305 (1987): L. glabrata.*  
 shannonii  
   *subsp. salvadorensis (Standley ex Britton & Rose) S. Zárate Pedroche in Ann. Missouri Bot. Gard., 74(2): 449 (1987): L. salvadorensis.*

**LEUCANTHEMOPSIS** (Compos.).

- alpina  
   *var. minima (Vill.) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): Leucanthemum minimum.*  
 pallida  
   *subsp. alpina (Boiss. & Reuter) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis, 2: 112 (1986): Pyrethrum sulphureum var. alpinum.*  
   *subsp. pseudopulverulenta (Heywood) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): Tanacetum pulverulentum subsp. pseudopulverulentum.*  
   *subsp. pulverulenta (Lagasca) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): Pyrethrum pulverulentum.*  
 trifurcata (*Desf.*) *S.A. Alavi in Fl. Libya, 107: 168 (1983): Chrysanthemum trifurcatum.*

**LEUCANTHEMUM** (Compos.).

- arcticum  
   *subsp. peleiopis (Trautv.) V.B. Kuvaev, Vysotnoe Raspedelenie Rast. Gor. Putorana: 136 (1980): L. sibiricum var. peleiopis.*  
 catalaunicum *R. Vogt in Mitt. Bot. Staatssamml. München, 27: 21 (1988)—Spain, France.*  
 gallaecicum *J. Rodríguez Oubiña & S. Ortiz in An. Jard. Bot. Madrid, 47(2): 498 (1989 publ. 1990)—Spain.*  
 merinoi *R. Vogt & S. Castroviejo in An. Jard. Bot. Madrid, 45(2): 567 (1988 publ. 1989)—Spain, Portugal.*  
 monspeliense  
   *var. ruscinonense (Jeanb. & Timb.-Lagr.) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): L. palmatum var. ruscinonense.*  
 ×superbum (*Bergmans ex J. Ingram*) *D.H. Kent in Watsonia, 18(1): 89 (1990): Chrysanthemum × superbum.*  
 vulgare  
   *subsp. gracilicaule (León-Dufour) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): Chrysanthemum gracilicaule.*  
   *subsp. maximum (Ramond) O. de Bolòs & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988): Chrysanthemum maximum.*

**LEUCAS** (Labiata.).

- candicans (*Benth.*) *W. Theobald in F. Mason, Burmah, ed. 3, 2: 296 (1883); cf. D.J. Mabberley in Taxon, 34(1): 155 (1985): Anisomeles candicans.*  
 flaccida  
   *var. scaberula (Hook. f.) S.R. Srinivasan in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. I, 2: 176 (1987): L. mollissima var. scaberula.*  
   *var. sebastiana (Subbarao & Kumari) N. Rama Rao in J. Econ. Taxon. Bot., 12(2): 378 (1988 publ. 1989): L. mollissima var. sebastiana.*  
 indica (*L.*) *Ait. f., Hort. Kew. ed. 2, 3: 409 (1811); cf. D.J. Mabberley in Taxon, 33(3): 439 (1984): Leonurus indicus.*  
   *var. decipiens (Hook. f.) S.R. Srinivasan in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. I, 2: 176 (1987): L. linifolia var. decipiens.*  
   *var. nagalapuramiana (Chandr. & Srin.) N. Rama Rao in J. Econ. Taxon. Bot., 12(2): 378 (1988 publ. 1989): L. lavandulifolia var. nagalapuramiana.*  
   *var. nagalapuramiana (Chandr. & Srin.) H.B. Naithani & S. Biswas in H.B. Naithani, Flow. Pl. India, Nepal & Bhutan: 342 (1990), isonym: L. lavandulifolia var. nagalapuramiana.*

**LEUCAS** :-

- malabarica (L.) W. Theobald in *F. Mason, Burmah*, ed. 3, 2: 296 (1883); cf. *D.J. Mabberley in Taxon*, 34(1): 155 (1985): *Nepeta malabarica*.  
 martinicensis (Jacq.) R. Br. in *Ait., Hort. Kew. ed. 2*, 3: 409 (1811); cf. *D.J. Mabberley in Taxon*, 30(1): 16 (1981): Basionym not stated.  
 obliqua F. Buchanan-Hamilton ex L.W. Dillwyn, *Rev. Hortus Malab.*: 57 (1939); fide *D.J. Mabberley in Taxon*, 26(5-6): 531 (1977)—India.

**LEUCHERIA** (Compos.).

- lithospermifolia  
 subsp. integrifolia (Phil.) J. Grau & Zinnecker in *Bot. Jahrb.*, 108(2-3): 231 (1987): *Chabrea integrifolia*.  
 viscida (Bertero ex Colla) J. Grau & Zinnecker in *Bot. Jahrb.*, 108(2-3): 231 (1987): *Chabrea viscida*.

**LEUCOJUM** (Amaryllidac.).

- fabrei P. Quézel & B. Gireyd in *Bull. Soc. Bot. France, Lett. Bot.*, 137(1): 78 (1990), as 'Leucoium'—France.  
 trichophyllum  
 var. broteri (Jordan & Fourr.) B. Valdés in *Lagascalia*, 14(1): 176 (1986): *Acis broteri*.

**LEUCOPOGON** (Epacridac.).

- blakei L. Pedley in *Austrobaileya*, 3(2): 265 (1990)—Australia (Queensland).  
 cochlearifolius A. Strid in *Willdenowia*, 16(1): 171 (1986)—Australia (W. Australia).  
 conchifolius A. Strid in *Willdenowia*, 16(1): 169 (1986)—Australia (W. Australia).  
 grandiflorus L. Pedley in *Austrobaileya*, 3(2): 266 (1990)—Australia (Queensland).  
 infuscatus A. Strid in *Willdenowia*, 16(1): 173 (1986)—Australia (W. Australia).  
 lavarackii L. Pedley in *Austrobaileya*, 3(2): 266 (1990)—Australia (Queensland).  
 lloydiorum A. Strid in *Willdenowia*, 16(1): 174 (1986)—Australia (W. Australia).  
 malayanus  
 subsp. novoguineensis (Sleumer) L. Pedley in *Austrobaileya*, 3(2): 271 (1990): *Styphelia malayana* var. *novoguineensis*.  
 spathaceus L. Pedley in *Austrobaileya*, 3(2): 268 (1990)—Australia (Queensland).  
 yorkensis L. Pedley in *Austrobaileya*, 3(2): 268 (1990)—Australia (Queensland).

**LEUCOSPORA** (Scrophulariac.).

- coahuilensis J. Henrickson in *Aliso*, 12(3): 435 (1989 publ. 1990)—Mexico.

**LEUCOTHOE** (Ericac.).

- griffithiana  
 var. sessilifolia C.Y. Wu & T.Z. Hsu in *Fl. Xizangica*, 3: 684 (1986)—Xizang.

**LEUTEA** M.G. Pimenov in *Fl. Iran.*, 162: 445 (1987). **UMBELLIFERAE**.

- cupularis (Boiss.) M.G. Pimenov in *Fl. Iran.*, 162: 446 (1987): *Peucedanum cupulare*.  
 gracillima M.G. Pimenov in *Fl. Iran.*, 162: 448 (1987)—Iran.  
 nematoloba (Rech. f.) M.G. Pimenov in *Fl. Iran.*, 162: 447 (1987): *Peucedanum nematolobum*.  
 petiolaris (DC.) M.G. Pimenov in *Fl. Iran.*, 162: 449 (1987): *Ferula petiolaris*.  
 polyscias (Boiss.) M.G. Pimenov in *Fl. Iran.*, 162: 446 (1987): *Peucedanum polyscias*.  
 rechingeri (Leute) M.G. Pimenov in *Fl. Iran.*, 162: 448 (1987): *Peucedanum rechingeri*.

**LEWISIA** (Portulacac.).

- sect. *Brachycalyx* B. Mathew, *Genus Lewisia*: 139 (1989).  
 sect. *Cotyledon* J.E. Hohn ex B. Mathew, *Genus Lewisia*: 139 (1989).  
 sect. *Erocallis* B. Mathew, *Genus Lewisia*: 139 (1989).  
 sect. *Oppositifolia* B. Mathew, *Genus Lewisia*: 139 (1989).  
 sect. *Pygmaea* B. Mathew, *Genus Lewisia*: 139 (1989).  
 subgen. *Stropholium* B. Mathew, *Genus Lewisia*: 139 (1989), as '(J.E. Hohn) ex B. Mathew'.

**LEWISIA** :-

- columbiana  
 subsp. wallowensis (C.L. Hitchcock) J.E. Hohn ex B. Mathew, *Genus Lewisia*: 101 (1989): *L. columbiana* var. *wallowensis*.  
 glandulosa (Rydb.) L.T. Dempster in *Phytologia*, 68(3): 170 (1990): *Oreobroma glandulosa*.

**LEYCESTERIA** (Caprifoliac.).

- glaucophylla  
 var. thibetica (H.J. Wang) J.F. Huang in *Fl. Xizangica*, 4: 509 (1985): *L. thibetica*.

**×LEYMOTRIGIA** (Gramin.).

- zarubinii G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 53 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia). (*Elytrigia repens* × *Leymus chinensis*).

**LEYMUS** (Gramin.).

- bruneostachyus N.R. Cui in *Claves Pl. Xinjiang.*, 1: 184 (1982), without latin descr.—Xinjiang.  
 chakassicus G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 45 (1990), contrary to Art. 37.5 ICBN (1988)—U.S.S.R. (Siberia).  
 littoralis (Griseb.) G.A. Peshkova in *Novosti Sist. Vyssh. Rast.*, 24: 23 (1987): *Elymus dasystachys* β. *littoralis*.  
 multicaulis  
 subsp. petraeus (Nevski) N.R. Cui in *Claves Pl. Xinjiang.*, 1: 184 (1982): *Aneurolepidium petraeum*.  
 salinus  
 subsp. salmonis (C. Hitchc.) R.J. Atkins in *Great Basin Nat.*, 43(4): 569 (1983): *Elymus ambiguus* var. *salmonis*.

**LIABELLUM** (Compos.).

- hintoniorum (B.L. Turner) H. Robinson in *Phytologia*, 69(2): 58 (1990): *Sinclairia hintoniorum*.

**LIBANOTHAMNUS** (Compos.).

- occultus  
 var. salomonii J. Cuatrecasas & López-Figueiras in *Phytologia*, 61(1): 51 (1986)—Venezuela.

**LIBANOTIS** (Umbellif.).

- jinanensis L.C. Xu & M.D. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 37 (1989)—China.  
 laserpitifolia (Palibin) K.T. Fu in *Fl. Tsinlingensis*, 1(3): 411 (1981): *Seseli laserpitifolium*.  
 lehmanniana A. Bunge, *Beitr. Fl. Russl.*: 124 (1852)—U.S.S.R. (Middle Asia).†  
 wannienchun K.T. Fu in *Fl. Tsinlingensis*, 1(3): 458, 409 (1981)—China.

**LIBOCEDRUS** (Cupressac.).

- papuana  
 var. arfakensis (Gibbs) D.J. de Laubenfels in *Fl. Males.*, 10(3): 446 (1988): *L. arfakensis*.

**LICANIA** (Chrysobalanac.).

- subgen. *Anglesia* (Korth.) G.T. Prance & F. White in *Phil. Trans. Roy. Soc. London, B*, 320(1197): 94 (1988): gen *Anglesia*.  
 arianeae G.T. Prance in *Fl. Neotrop.*, 9S: 44 (1989)—Brazil.  
 dodsonii G.T. Prance in *Fl. Neotrop.*, 9S: 27 (1989)—Ecuador.  
 filomenoi G.T. Prance in *Fl. Neotrop.*, 9S: 20 (1989)—Peru.  
 fusicarpa (Kosterm.) G.T. Prance in *Brittonia*, 39(3): 366 (1987): *Hunga fusicarpa*.  
 gentryi G.T. Prance in *Fl. Neotrop.*, 9S: 24 (1989)—Colombia.  
 grandibracteata G.T. Prance in *Fl. Neotrop.*, 9S: 22 (1989)—Ecuador.  
 granvillei G.T. Prance in *Proc. Kon. Nederl. Acad. Wetensch.*, C, 89(1): 114 (1986)—French Guiana, Brazil, Colombia.  
 hispida G.T. Prance in *Fl. Neotrop.*, 9S: 37 (1989)—Venezuela.  
 laevigata G.T. Prance in *Fl. Neotrop.*, 9S: 41 (1989)—Brazil, Surinam.  
 lamentanda G.T. Prance in *Fl. Neotrop.*, 9S: 51 (1989)—Brazil.  
 nelsonii G.T. Prance in *Fl. Neotrop.*, 9S: 53 (1989)—Brazil.

**LICANIA** :-

- occultans G.T. Prance in *Fl. Neotrop.*, 9S: 42 (1989)—Brazil.  
 tachirensis G.T. Prance in *Fl. Neotrop.*, 9S: 30 (1989)—Venezuela.  
 tambopatensis G.T. Prance in *Fl. Neotrop.*, 9S: 36 (1989)—Peru.  
 teixeirae G.T. Prance in *Fl. Neotrop.*, 9S: 47 (1989)—Brazil.

**LICARIA** (Laurac.).

- bracteata H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 403 (1987)—Guatemala.  
 brenesii W. Burger in *Fieldiana, Bot.*, 23: 47 (1990)—Costa Rica.  
 pergamentacea W. Burger in *Fieldiana, Bot.*, 23: 50 (1990)—Costa Rica.  
 sarapiquensis B.E. Hammel in *J. Arnold Arbor.*, 67(1): 124 (1986)—Costa Rica.  
 tomentosa H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 462 (1989)—Venezuela.  
 trinervis H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(4): 960 (1989)—Venezuela.  
 triplicalyx G. Pedralli in *Napaea, Rev. Bot.*, 6: 27 (1988)—Brazil.  
 velutina H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 409 (1988)—Mexico.

**×LICHTARA** hort. in *Orchid Rev.*, 94(1112): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (*Doritis* × *Gastrochilus* × *Phalaenopsis*).**LICUALA** (Palmae).

- thoana L.G. Saw & J. Dransfield in *Gard. Bull. Singapore*, 42(1-2): 71 (1989 publ. 1990)—Malaya.

**LIGARIA** (Loranthac.).

- teretiflora (Rizzini) J. Kuijt in *Brittonia*, 42(1): 67 (1990): *Psittacanthus teretiflorus*.

**LIGULARIA** (Compos.).

- discoidea S.W. Liu in *Fl. Xizangica*, 4: 832 (1985)—Xizang.  
 dux (Clarke) R. Mathur in *R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.*: 53 (1988): *Senecio dux*.  
 hookeri  
 f. angustifolium (R. Good) R. Mathur in *R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.*: 53 (1988): *Cremanthodium hookeri* f. *angustifolium*.  
 f. latiligulatum (R. Good) R. Mathur in *R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.*: 53 (1988): *Cremanthodium hookeri* f. *latiligulatum*.  
 kanaitzensis  
 var. subnudicaulis (Hand.-Mazz.) S.W. Liu in *Fl. Reipubl. Popul. Sin.*, 77(2): 92 (1989): *L. subnudicaulis*.  
 kingiana (W.W. Smith) R. Mathur in *R.R. Rao, Fl. Ind. Enumerat. - Asterac.*: 53 (1988): *Senecio kingianus*.  
 myriocephala Ling in *Fl. Xizangica*, 4: 831 (1985)—Xizang.  
 nyingchiensis S.W. Liu in *Fl. Xizangica*, 4: 834 (1985)—Xizang.  
 rumicifolia (Drumm.) S.W. Liu in *Fl. Xizangica*, 4: 832 (1985): *Senecio rumicifolius*.  
 sibirica  
 subsp. arctica (Pojark.) V.G. Sergienko, *Fl. poluostrova Kanin*: 99 (1986): *L. arctica*.  
 tenuicaulis  
 var. purpurea S.W. Liu in *Fl. Xizangica*, 4: 829 (1985)—Xizang.

**LIGUSTICUM** (Umbellif.).

- gyrongense R.H. Shan & H.T. Chang in *Acta Phytotax. Sin.*, 24(4): 315 (1986)—Xizang.  
 sinense  
 var. alpinum Shan ex K.T. Fu in *Fl. Tsinlingensis*, 1(3): 461, 419 (1981)—China.  
 tachiroei  
 var. filisectum (Nakai & Kitag.) S.Y. He & W.T. Fan in *Fl. Hebeiensis*, 2: 272 (1988): *Cnidium filisectum*.

**LIGUSTRUM** (Oleac.).

- acutissimum  
 var. glabrum Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 395, 91 (1983)—China.

**LIGUSTRUM** :-

- amamianum  
var. rotundifolium (Blume) B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 72 (1986): L. japonicum var. rotundifolium.
- delavayanum  
subsp. morrisonense (Kanehira & Sasaki) B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 94 (1986): L. morrisonense.
- latifolium C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 56 (1784)—Japan.
- longitubum Hsu ex M.C. Chang & B.M. Miao in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 106 (1986)—China.
- sinense  
var. concavum M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 81 (1986)—China.
- var. luodianense M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 77 (1986)—China.
- var. rugosulum (W.W. Smith) M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 6: 78 (1986): L. rugosulum.
- xingrenense D.J. Liu in *Acta Phytotax. Sin.*, 26(3): 243 (1988)—China.
- yunguiense B.M. Miao in *Acta Phytotax. Sin.*, 26(3): 241 (1988)—China.

**LILIUM** (Liliac.).

- sect. Asteridium S.G. Haw, *Lilies of China*: 159 (1986).
- ser. Bulbifera M.V. Baranova in *Bot. Zhurn.*, 73(9): 1327 (1988).
- subsect. Callosa (Vrshcz) M.V. Baranova in *Bot. Zhurn.*, 73(9): 1328 (1988): L. ser. Callosa.
- subsect. Cernua (Vrshcz) M.V. Baranova in *Bot. Zhurn.*, 73(9): 1326 (1988): L. ser. Cernua.
- subsect. Dahurica M.V. Baranova in *Bot. Zhurn.*, 73(9): 1327 (1988).
- subsect. Davidiana M.V. Baranova in *Bot. Zhurn.*, 73(9): 1325 (1988).
- sect. Dimorphophyllum S.G. Haw, *Lilies of China*: 159 (1986).
- sect. Eurolium M.V. Baranova in *Bot. Zhurn.*, 73(9): 1320 (1988).
- subsect. Fargesiana M.V. Baranova in *Bot. Zhurn.*, 73(9): 1328 (1988).
- subsect. Humboldtiana M.V. Baranova in *Bot. Zhurn.*, 73(9): 1323 (1988).
- subsect. Japonica M.V. Baranova in *Bot. Zhurn.*, 73(9): 1324 (1988).
- subsect. Longiflora M.V. Baranova in *Bot. Zhurn.*, 73(9): 1324 (1988).
- subsect. Lophophora M.V. Baranova in *Bot. Zhurn.*, 73(9): 1329 (1988).
- subsect. Mackliniana M.V. Baranova in *Bot. Zhurn.*, 73(9): 1329 (1988).
- sect. Nepalensia M.V. Baranova in *Bot. Zhurn.*, 73(9): 1327 (1988).
- subsect. Nepalensia M.V. Baranova in *Bot. Zhurn.*, 73(9): 1328 (1988).
- subsect. Pardalina M.V. Baranova in *Bot. Zhurn.*, 73(9): 1322 (1988).
- subsect. Philadelphia M.V. Baranova in *Bot. Zhurn.*, 73(9): 1327 (1988).
- sect. Pseudomartagon (Waugh) M.V. Baranova in *Bot. Zhurn.*, 73(9): 1322 (1988): L. subgen. Pseudomartagon.
- subsect. Regalia M.V. Baranova in *Bot. Zhurn.*, 73(9): 1324 (1988).
- subsect. Superba M.V. Baranova in *Bot. Zhurn.*, 73(9): 1322 (1988).
- subsect. Tubiflora M.V. Baranova in *Bot. Zhurn.*, 73(9): 1325 (1988).
- amabile  
var. immaculatum T.B. Lee in *Bull. Kwanak Arbor.*, 8: 1 (1987)—Korea.
- bakerianum  
subsp. sempervivoideum (Lévl.) D.R. McKean in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 185 (1986): Liliun sempervivoidium.
- brevistylum (S.Y. Liang) S.Y. Liang in *Acta Bot. Yunnanica*, 8(1): 52 (1986): L. nanum var. brevistylum.
- habaense F.T. Wang & T. Tang in *Acta Bot. Yunnanica*, 8(1): 51 (1986)—China.

**LILIUM** :-

- japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 324 (1784)—Japan.†
- jinfushanense L.J. Peng & B.N. Wang in *Acta Bot. Yunnanica*, 8(2): 225 (1986)—China.
- maderiense T.E. Bowdich, *Exc. Madeira*: 36, 37, 155 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 59 (1980)—Madeira.
- megalanthum (Wang & Tang) S.Q. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 135 (1989): L. concolor var. megalanthum.
- ningnanense J.M. Xu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 68 (1986)—China.
- pinifolium L.J. Peng in *Acta Bot. Yunnanica*, 7(3): 317 (1985)—China.
- saccatum S.Y. Liang in *Fl. Xizangica*, 5: 540 (1987)—Xizang.

**LIMACIA** (Menispermac.).

- villosa (DC.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 657 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Cocculus villosus*.

**LIMACIOPSIS** (Menispermac.).

- valida (Diels) H.S. Lo in *Fl. Yunnanica*, 3: 240 (1983): *Pachygone valida*.

**LIMNANTHES** (Limnanthac.).

- alba  
subsp. versicolor (E. Greene) C. Mason in *Madroño*, 36(1): 51 (1989): *Floerkea versicolor*.
- douglasii  
subsp. nivea (C. Mason) C. Mason in *Madroño*, 36(1): 50 (1989): L. douglasii var. nivea.
- subsp. rosea (Benth.) C. Mason in *Madroño*, 36(1): 50 (1989): L. rosea.
- subsp. sulphurea (C. Mason) C. Mason in *Madroño*, 36(1): 50 (1989): L. douglasii var. sulphurea.
- gracilis  
subsp. parishii (Jepson) R.M. Beauchamp in *Phytologia*, 59(7): 440 (1986): L. versicolor var. parishii.
- subsp. parishii (Jepson) C. Mason in *Madroño*, 36(1): 51 (1989), isonym: L. versicolor var. parishii.

**LIMNAS** (Gramin.).

- malyshevii O.D. Nikiforova in *Bot. Zhurn.*, 72(3): 391 (1987)—U.S.S.R. (Siberia, Soviet Far East).

**LIMNIBOZA** (Labiata.).

- lisowskiana P. Bamps in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 547 (1988)—Zaire.

**LIMNOPHILA** (Scrophulariac.).

- borealis Y.Z. Zhao & Ma f. in *Acta Sci. Nat. Univ. Intramongolicae*, 21(1): 137 (1990)—China.
- brownii B.S. Wannan in *Taxon*, 35(3): 597 (1986)—Australia (Queensland).

**LIMNOPHYTON** (Alismatac.).

- australienne H.I. Aston in *Muelleria*, 6(5): 311 (1987)—Australia (Queensland).

**LIMNORCHIS** (Orchidac.).

- zothecina (Higgins & Welsh) W.A. Weber in *Phytologia*, 67(6): 427 (1989): *Habenaria zothecina*.

**LIMODORUM** (Orchidac.).

- abortivum  
var. trabutianum (Batt.) C. Raynaud, *Orchid. Maroc*: 97 (1985): L. trabutianum.
- striatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 816 (1784)—Japan.†

**LIMONIUM** (Plumbaginac.).

- albomarginatum S. Brullo in *Willdenowia*, 17(1-2): 15 (1988)—Greece.
- alcudianum M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 398 (1989)—Balearic Is.
- algusae (Brullo) W. Greuter in *Willdenowia*, 16(2): 449 (1987): L. oleifolium subsp. algusae.
- alleizettei (Pau) S. Brullo & M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 493 (1989): *Statice alleizettei*.
- antonii-llorensi L. Llorens in *Lazaroa*, 8: 31 (1985 publ. 1986)—Balearic Is.

**LIMONIUM** :-

- artruchium M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 361 (1989)—Balearic Is.
- aucherii (Girard) W. Greuter & Burdet in *Willdenowia*, 19(1): 39 (1989): *Statice aucherii*.
- avei (De Notaris) S. Brullo & Erben in *Willdenowia*, 17(1-2): 17 (1988): *Statice avei*.
- battandieri W. Greuter & Burdet in *Willdenowia*, 16(2): 449 (1987)—Algeria.
- baudinii I.A. Linchevskii in *Novosti Sist. Vyssh. Rast.*, 23: 107 (1986)—Tasmania.
- bianorii (Sennen & Pau) M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 350 (1989): *Statice bianorii*.
- bianorii  
binervosum  
subsp. anglicum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 188 (1986)—Great Britain.
- var. aurgniense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 190 (1986)—Channel Is.
- subsp. cantianum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 188 (1986)—Great Britain.
- subsp. mutatum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 189 (1986)—Great Britain.
- subsp. sarniense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 190 (1986)—Channel Is.
- var. sarniense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 190 (1986)—Channel Is.
- subsp. saxonicum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 189 (1986)—Great Britain.
- var. sercquense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 191 (1986)—Channel Is.
- boirae L. Llorens & J. Tébar in *An. Jard. Bot. Madrid*, 45(1): 177 (1988)—Balearic Is.
- bonnetii (Sennen) M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 413 (1989): *Statice bonnetii*.
- brevipetiolatum R. Artelari & M. Erben in *Mitt. Bot. Staatssamml. München*, 22: 507 (1986)—Greece.
- britannicum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 199 (1986)—Great Britain.
- subsp. celticum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 203 (1986)—Great Britain.
- var. celticum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 203 (1986)—Great Britain.
- subsp. coombense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 201 (1986)—Great Britain.
- var. coombense M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 202 (1986)—Great Britain.
- var. grandicaule M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 202 (1986)—Great Britain.
- var. kelseyanum M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 201 (1986)—Great Britain.
- var. pharene M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 203 (1986)—Great Britain.
- subsp. transcanalis M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 202 (1986)—Great Britain.
- byzantium S. Brullo & M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 419 (1989)—Tunisia.
- camposanum M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 394 (1989)—Balearic Is.
- carpetanicum M. Erben in *Mitt. Bot. Staatssamml. München*, 27: 388 (1988)—Spain.
- carregadorensis M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 364 (1989)—Balearic Is.
- cercinense S. Brullo & M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 423 (1989)—Tunisia.
- clupeanum S. Brullo & M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 426 (1989)—Tunisia.
- cofrentanum M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 314 (1989)—Spain.
- confertum S. Brullo & M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 429 (1989)—Tunisia.
- connivens M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 353 (1989)—Balearic Is.
- cossonianum  
f. tabernense (Erben) G. Kunkel, *Florula Desierto Almeriense*: 201 (1988): L. tabernense.
- creticum R. Artelari in *Candollea*, 44(2): 415 (1989)—Crete.
- diomedea S. Brullo in *Willdenowia*, 17(1-2): 11 (1988)—Italy.
- dodartiforme M.J. Ingrouille in *Bot. J. Linn. Soc.*, 92(3): 208 (1986)—Great Britain.
- dragonericum M. Erben in *Mitt. Bot. Staatssamml. München*, 28: 345 (1989)—Balearic Is.
- dubium Gamajun ex M.V. Klokov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 64 (1977 publ. 1978)—U.S.S.R. (Middle Asia).



**LIMONIUM :-**

- escarrei *L. Llorens* & *J. Tébar* in *An. Jard. Bot. Madrid*, 45(1): 173 (1988)—Balearic Is.
- formenterae *L. Llorens* in *Lazaroa*, 8: 72 (1985 publ. 1986)—Balearic Is.
- gougetianum  
subsp. multiceps (*Pomel*) *Quézel* & *Santa ex W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 450 (1987): *Statice* multiceps.
- grosii *L. Llorens* in *Lazaroa*, 8: 76 (1985 publ. 1986)—Balearic Is.
- gymnesicum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 22: 204 (1986), nom. nov.: *L. gougetianum* subsp. balearicum *Pignatti*.
- heterospicatum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 383 (1989)—Balearic Is.
- hibericum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 385 (1988), nom. nov.: *Statice duriuscula* var. *procera* *Willk.*
- hipponense *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 432 (1989)—Tunisia.
- ilerdense *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 386 (1988), illegit. superfl. nom. nov., as 'sp. nov.': *Statice tournefortii* *Girard*.
- intricatum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 435 (1989)—Tunisia.
- kaiouanum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 438 (1989)—Tunisia.
- korbousense *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 441 (1989)—Tunisia.
- lacertosum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 444 (1989)—Tunisia.
- lacinium *P.V. Arrigoni* in *Boll. Soc. Sarda Sci. Nat.*, 22: 227 (1983)—Italy.
- letourneuxii (*Batt.*) *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 450 (1987): *Statice letourneuxii*.
- lobetanum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 317 (1989)—Spain.
- loganicum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 205 (1986), as 'longanicum'—Great Britain.
- longibracteatum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 393 (1988)—Spain.
- magallufianum *L. Llorens* in *Lazaroa*, 8: 47 (1985 publ. 1986)—Balearic Is.
- marisoli *L. Llorens* in *Lazaroa*, 8: 51 (1985 publ. 1986)—Balearic Is.
- melitense *S. Brullo* in *Willdenowia*, 17(1–2): 13 (1988)—Malta.
- menigense *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 447 (1989)—Tunisia.
- migjornense *L. Llorens* in *Lazaroa*, 8: 57 (1985 publ. 1986)—Balearic Is.
- minoricense *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 368 (1989)—Balearic Is.
- minus (*Boiss.*) *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 382 (1988): *Statice globulariaefolia* var. *minor*.
- mucronulatum (*H. Lindb.*) *W. Greuter* & *Burdet* in *Willdenowia*, 19(1): 40 (1989): *Statice mucronulata*.
- neapolense *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 450 (1989)—Tunisia.
- oblancoelatum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 453 (1989)—Tunisia.
- opulentum (*Lojac.*) *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 450 (1987): *Statice opulenta*.
- paradoxum  
var. mutabile *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 192 (1986)—Great Britain.
- parvum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 204 (1986)—Great Britain.
- pavonianum *S. Brullo* in *Willdenowia*, 17(1–2): 13 (1988)—Sicily.
- pericotii (*O. Bolos* & *Vigo*) *W. Greuter* & *Burdet* in *Willdenowia*, 19(1): 40 (1989): *L. minutum* subsp. *pericotii*.
- pescadense *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 450 (1987)—Algeria.
- procerum (*C.E. Salmon*) *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 193 (1986): *L. occidentale* var. *procerum*.  
subsp. cambrense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 198 (1986)—Great Britain.
- var. cornubiense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 197 (1986)—Great Britain.
- subsp. devoniense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 197 (1986)—Great Britain.

**LIMONIUM :-**

- var. hibernicum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 195 (1986)—Ireland.
- var. medium *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 195 (1986)—Great Britain.
- var. paramedium *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 197 (1986)—Great Britain.
- var. wessexense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 197 (1986)—Great Britain.
- pseudarticulatum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 342 (1989)—Balearic Is.
- pseudebusitanum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 409 (1989)—Balearic Is.
- pseudodictyocladum *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 450 (1987)—Locality not stated.
- pseudodictyocladum (*Pignatti*) *L. Llorens* in *Lazaroa*, 8: 60 (1985 publ. 1986): *L. virgatum* subsp. *pseudodictyocladum*.
- pseudominutum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 397 (1988)—France.
- punicum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 481 (1989)—Tunisia.
- pyramidatum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 456 (1989)—Tunisia.
- quesadense *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 390 (1988)—Spain.
- recurvum  
var. donegalense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 213 (1985)—Ireland.
- subsp. humile (*Girard*) *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 213 (1986): *Statice dodartii* var. *humile*.
- var. humile (*Girard*) *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 213 (1986): *Statice dodartii* var. *humile*.
- var. kerryense *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 212 (1986)—Ireland.
- subsp. portlandicum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 211 (1986)—Great Britain, Ireland.
- var. portlandicum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 212 (1986)—Great Britain.
- var. pseudoparadoxum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 214 (1986)—Ireland.
- subsp. pseudotranswallianum *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 212 (1986)—Ireland.
- var. recurviforme *M.J. Ingrouille* in *Bot. J. Linn. Soc.*, 92(3): 212 (1986)—Great Britain.
- retirameum *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 451 (1987)—Sardinia.
- retusum *L. Llorens* in *Lazaroa*, 8: 80 (1985 publ. 1986)—Balearic Is.
- rubescens *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 459 (1989)—Tunisia, Algeria.
- santapolense *M. Erben* in *Mitt. Bot. Staatssamml. München*, 27: 392 (1988)—Spain.
- saxicolum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 402 (1989)—Balearic Is.
- scorpioides *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 387 (1989)—Balearic Is.
- secundirameum (*Lojac.*) *W. Greuter* & *Burdet* in *Willdenowia*, 16(2): 451 (1987): *Statice secundiramea*.
- serratum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 463 (1989)—Tunisia.
- sinisicum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 22: 210 (1986)—Sardinia.
- soboliferum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 327 (1989)—Spain.
- solanderi *I.A. Linchevskii* in *Novosti Sist. Vyssh. Rast.*, 23: 105 (1986)—Australia (Queensland).
- squarrosus *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 338 (1989)—Spain.
- stenophyllum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 324 (1989)—Spain.
- sucronicum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 321 (1989)—Spain.
- tacapense *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 466 (1989)—Tunisia.
- tamarindanum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 372 (1989)—Balearic Is.
- tenuicaule *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 376 (1989)—Balearic Is.
- thaenicum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 469 (1989)—Tunisia.
- todaroanum *F.M. Raimondo* & *S. Pignatti* in *Webbia*, 39(2): 417 (1986)—Sicily.

**LIMONIUM :-**

- toletanum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 331 (1989)—Spain.
- tournefortii (*Pignatti*) *M. Erben* in *Mitt. Bot. Staatssamml. München*, 14: 514 (1978), as '(Girard)' but *Statice tournefortii* *Girard* is illegit.: *Limonium delicatulum* subsp. *tournefortii*.†
- tritonianum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 472 (1989)—Tunisia.
- ugijarense *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 335 (1989)—Spain.
- ursanum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 22: 214 (1986)—Sardinia.
- validum *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 357 (1989)—Balearic Is.
- wiedmannii *M. Erben* in *Mitt. Bot. Staatssamml. München*, 22: 206 (1986)—Balearic Is.
- xerophilum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 475 (1989)—Tunisia.
- zeugitanum *S. Brullo* & *M. Erben* in *Mitt. Bot. Staatssamml. München*, 28: 478 (1989)—Tunisia.

**LIMOSELLA** (Scrophulariac.).

- granitica *W.R. Barker* in *Fl. S. Australia*, 3: 1284 (1986)—Australia (S. Australia).
- inflata *O.M. Hilliard* & *B.L. Burtt* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 213 (1986)—South Africa (Natal, Cape Province, Orange Free State), Lesotho, Botswana.
- vesiculosa *O.M. Hilliard* & *B.L. Burtt* in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 215 (1986)—Lesotho, South Africa (Natal, Cape Province).

**LINARIA** (Scrophulariac.).

- sect. *Corrugatae* *M.B. Kapanadze* in *Bot. Zhurn.*, 73(10): 1480 (1988).
- subsect. *Elegantes* (*Viano*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 451 (1988): *L. sect. Elegantes*.
- subsect. *Trimerocalyx* (*Murb.*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 420 (1988): *L. sect. Trimerocalyx*.
- aeruginea  
subsp. nevadensis (*Boiss.*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 380 (1988): *L. supina* var. *nevadensis*.
- aguillonensis (*García Martínez*) *X.R. García Martínez* & *F.J. Silva-Pando* in *An. Jard. Bot. Madrid*, 43(1): 179 (1986): *L. thymifolia* subsp. *aguillonensis*.
- alaica *S.Yu. Yunusov* in *Fl. Tadzhikskoi SSR*, 8: 484, 335 (1986)—U.S.S.R. (Middle Asia).
- amethystea  
subsp. ignescens (*G. Kunze*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 401 (1988): *L. ignescens*.
- badachschanica *S.Yu. Yunusov* in *Fl. Tadzhikskoi SSR*, 8: 484, 335 (1986)—U.S.S.R. (Middle Asia).
- badalii  
var. glaberrima (*Frey ex Willk.*) *P. Galán Cela* in *Fontqueria*, 30: 114 (1990): *L. supina* var. *glaberrima*.
- benitoi *J. Fernández Casas* in *Fontqueria*, 2: 29 (1982)—Spain.
- bipunctata  
subsp. glutinosa (*Hoffmanns. & Link*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 415 (1988): *L. glutinosa*.
- bordiana  
subsp. kralikiana (*Maire*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 440 (1988): *L. elegans* var. *kralikiana*.
- brachyphylla *D. Delipavlov* in *Feddes Repert.*, 101(7–8): 344 (1990)—Bulgaria.
- dalmatica  
subsp. macedonica (*Griseb.*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 321 (1988): *L. macedonica*.
- dianthifolia *Henckel, Adumb. Pl. Hort. Hal.*: 11 (1806); cf. *D.J. Mabberley* in *Taxon*, 32(1): 85 (1983)—Locality not stated.
- genistifolia  
subsp. euxina (*Velen.*) *D.A. Sutton*, *Revis. tribe Antirrhineae*: 317 (1988): *L. euxina*.
- heterophylla  
subsp. gigantea *A. Dobignard* & *D. Jordan* in *Saussurea*, 18: 90 (1987), nom. nov.: *L. heterophylla* var. *maroccana* *Maire*.

**LINARIA** :-

- italica* Trev., *Ind. Sem. Wratislav. App. II*: 2 (1820); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.
- jaxartica* I.G. Levichev in *Opred. Rast. Sred. Azii*, 9: 363 (1987)—U.S.S.R. (Middle Asia).
- kurdica*  
subsp. *sintenisii* (P.H. Davis) D.A. Sutton, *Revis. tribu Antirrhineae*: 308 (1988): L. *sintenisii*.
- laxiflora*  
subsp. *calcarlongum* M. Qaiser in *Fl. Libya*, 88: 56 (1982)—Libya.
- michauxii*  
var. *parviflora* J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 224 (1986)—Iran.
- multicaulis*  
subsp. *aurasiaca* (Pomel) D.A. Sutton, *Revis. tribu Antirrhineae*: 449 (1988): L. *aurasiaca*.  
subsp. *galioides* (Ball) D.A. Sutton, *Revis. tribu Antirrhineae*: 448 (1988): L. *galioides*.  
subsp. *heterophylla* (Desf.) D.A. Sutton, *Revis. tribu Antirrhineae*: 448 (1988): L. *heterophylla*.
- oblongifolia*  
subsp. *aragonensis* (Lange) D.A. Sutton, *Revis. tribu Antirrhineae*: 391 (1988): L. *diffusa* var. *aragonensis*.
- oligantha*  
subsp. *valentina* D.A. Sutton, *Revis. tribu Antirrhineae*: 412 (1988)—Spain.
- orbensis* J.L. Carretero & H. Boira in *An. Jard. Bot. Madrid*, 42(2): 411 (1985 publ. 1986)—Spain.
- parviracemosa* D.A. Sutton, *Revis. tribu Antirrhineae*: 355 (1988)—Algeria.
- polygalifolia*  
subsp. *lamarckii* (Rouy) D.A. Sutton, *Revis. tribu Antirrhineae*: 373 (1988): L. *lamarckii*.
- pyramidalis*  
subsp. *kopetdagensis* (Kuprian.) D.A. Sutton, *Revis. tribu Antirrhineae*: 299 (1988): L. *kopetdagensis*.  
subsp. *lenkoranica* (Kuprian.) D.A. Sutton, *Revis. tribu Antirrhineae*: 297 (1988): L. *lenkoranica*.
- quasisessilis* I.G. Levichev in *Opred. Rast. Sred. Azii*, 9: 363 (1987)—U.S.S.R. (Middle Asia).
- reflexa*  
subsp. *agglutinans* (Pomel) D.A. Sutton, *Revis. tribu Antirrhineae*: 344 (1988): L. *agglutinans*.  
subsp. *brevicalcarata* D.A. Sutton, *Revis. tribu Antirrhineae*: 339 (1988)—Algeria, Tunisia.  
subsp. *doumetii* (Bonnet & G. Baratte) D.A. Sutton, *Revis. tribu Antirrhineae*: 339 (1988): L. *doumetii*.  
subsp. *drummondiae* D.A. Sutton, *Revis. tribu Antirrhineae*: 341 (1988)—Morocco.  
subsp. *puberula* (Doumergue) D.A. Sutton, *Revis. tribu Antirrhineae*: 342 (1988): L. *reflexa* var. *puberula*.
- sessilis*  
f. *czermurganica* S.Yu. Yunusov in *Fl. Tadzhikskoi SSR*, 8: 485 (1986)—U.S.S.R. (Middle Asia).  
f. *majdaculica* S.Yu. Yunusov in *Fl. Tadzhikskoi SSR*, 8: 484 (1986)—U.S.S.R. (Middle Asia).  
f. *pamirica* S.Yu. Yunusov in *Fl. Tadzhikskoi SSR*, 8: 485 (1986)—U.S.S.R. (Middle Asia).
- supina*  
subsp. *ajmasiana* (Pau) A. Dobignard in *Saussurea*, 19: 110 (1988 publ. 1989): L. *supina* var. *ajmasiana*.  
subsp. *duriaeana* D.A. Sutton, *Revis. tribu Antirrhineae*: 365 (1988)—Spain.
- tartessiana* (Vicioso) B. Valdés in *Lagascalia*, 14(1): 157 (1986): L. *heterophylla* subsp. *tartessiana*.
- tristis*  
subsp. *mesatlantica* D.A. Sutton, *Revis. tribu Antirrhineae*: 377 (1988)—Morocco.
- tuberculata* D.A. Sutton, *Revis. tribu Antirrhineae*: 386 (1988)—Spain.
- × *valdesiana* O. Socorro & P. Aroza in *Stud. Bot. (Salamanca)*, 6: 127 (1987)—Spain. (L. *anticaria* × *verticillata*).
- viscosa*  
subsp. *crassifolia* (Coutinho) D.A. Sutton, *Revis. tribu Antirrhineae*: 436 (1988): L. *viscosa* var. *crassifolia*.  
subsp. *spicata* (Coutinho) D.A. Sutton, *Revis. tribu Antirrhineae*: 436 (1988): L. *spicata*.

**LINDELOFIA** (Boraginac.).

- anchusoides*  
subsp. *aspera* (Rech. f.) F. Sadat in *Mitt. Bot. Staatssamml. München*, 28: 104 (1989): L. *aspera*.

**LINDERA** (Laurac.).

- sect. *Cephalodaphne* (Bl.) H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 164 (1987): *Daphnidium* sect. *Cephalodaphne*.  
subsect. *Gemmiflorae* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 165 (1987).  
subsect. *Gracilipedes* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 165 (1987).  
sect. *Iteadaphne* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 167 (1987).  
subsect. *Pedunculares* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 167 (1987).  
subsect. *Sessiles* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 167 (1987).  
sect. *Trinerviae* H.P. Tsui in *Acta Phytotax. Sin.*, 25(3): 167 (1987).  
aggregata  
f. *playfairii* (Hemsl.) J.C. Liao in *Quart. J. Chinese Forest.*, 21(3): 78 (1988): *Litsea* ? *playfairii*.  
*erythrocarpa*  
var. *longipes* S.B. Liang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 90 (1988)—China.  
*fragrans*  
var. *linearifolia* Y.K. Li in *Guihaia*, 5(4): 345 (1985)—China.  
*glabrata* (Bl.) H. Koyama in *Acta Phytotax. Geobot.*, 38: 168 (1987): L. *sericea* var. *glabrata*.  
*henanensis* H.P. Tsui in *Acta Phytotax. Sin.*, 25(5): 412 (1987)—China.  
*lancea* (Moriyama) H. Koyama in *Acta Phytotax. Geobot.*, 38: 169 (1987): L. *umbellata* var. *lancea*.  
*pomiensis* (Tsui) H.P. Tsui in *Acta Bot. Yunnanica*, 10(1): 124 (1988): L. *fruticosa* var. *pomiensis*.  
*queenslandica* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 252 (1989)—Australia (Queensland).  
*thomsonii*  
var. *velutina* (Forr.) L.C. Wang in *Acta Bot. Bor.-Occid. Sin.*, 6(1): 64 (1986): L. *stychnifolia* var. *velutina*.

**LINDERNIA** (Scrophulariac.).

- subgen. *Didymadenia* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 79 (1990).  
sect. *Discostigma* X.H. Guo & X.L. Liu in *Acta Phytotax. Sin.*, 26(2): 153 (1988).  
*acicularis* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 446 (1989)—Burundi, Tanzania.  
*aplectra* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 80 (1990)—Australia (N. Terr., W. Australia, Queensland).  
*bampsii* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 449 (1989)—Zaire.  
*capitata* E. Fischer in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 448 (1989)—Zaire.  
*chrysoplectra* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 81 (1990)—Australia (W. Australia).  
*cleistandra* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 82 (1990)—Australia (W. Australia, N. Terr.).  
*conferta* (Hiern) D. Philcox in *Bol. Soc. Brot.*, 60: 268 (1987): *Ilysanthes conferta*.  
*eremophiloides* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 84 (1990)—Australia (W. Australia).  
*exilis* D. Philcox in *Bol. Soc. Brot.*, 60: 269 (1987), nom. nov.: *Ilysanthes gracilis* Skan.  
*hartlii* E. Fischer & Hepper in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 447 (1989)—Tanzania.  
*hypandra* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 85 (1990)—Australia (W. Australia).  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 567 (1784)—Japan.†  
*juhuhanica* X.H. Guo & X.L. Liu in *Acta Phytotax. Sin.*, 26(2): 153 (1988)—China.  
*macrosiphonia* (FvM.) W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 86 (1990): *Rhamphicarpa macrosiphonia*.  
*pulchella* (Skan) D. Philcox in *Bol. Soc. Brot.*, 60: 268 (1987): *Ilysanthes pulchella*.  
*subreniformis* D. Philcox in *Bol. Soc. Brot.*, 60: 268 (1987)—Tanzania.  
*taishanensis* F.Z. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 169 (1986)—China.

**LINDERNIA** :-

- tectanthera* W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 86 (1990)—Australia (W. Australia).  
*wilmsii* (Engl. & Diels) D. Philcox in *Bol. Soc. Brot.*, 60: 268 (1987): *Ilysanthes wilmsii*.

**LINDMANIA** (Bromeliac.).

- arachnoidea* (L.B. Smith, Steyermark & Robinson) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 697 (1986 publ. 1987): *Cottendorfia arachnoidea*.  
*atrorosea* (L.B. Smith, Steyermark & Robinson) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia atrorosea*.  
*aurea* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 697 (1986 publ. 1987)—Venezuela.  
*brachyphylla*  
var. *angustior* (L.B. Smith, Steyermark & Robinson) R.W. Read ex L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia brachyphylla* var. *angustior*.  
*dendritica* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia dendritica*.  
*dyckioidea* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia dyckioidea*.  
*geniculata*  
var. *minor* (L.B. Smith, Steyermark & Robinson) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia geniculata* var. *minor*.  
*gracillima* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 693 (1986 publ. 1987): *Cottendorfia gracillima*.  
*guianensis*  
var. *vestita* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia guianensis* var. *vestita*.  
*holstii* J.A. Steyermark & L.B. Smith in *J. Bromeliad Soc.*, 38(2): 51 (1988)—Venezuela.  
*huberi* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 699 (1986 publ. 1987)—Venezuela.  
*imitans* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 697 (1986 publ. 1987)—Venezuela.  
*lateralis* (L.B. Smith & R.W. Read) L.B. Smith & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 693 (1986 publ. 1987): *Cottendorfia lateralis*.  
*longipes* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia longipes*.  
*maguirei* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia maguirei*.  
*marahuacae* (L.B. Smith, Steyermark & Robinson) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 699 (1986 publ. 1987): *Cottendorfia marahuacae*.  
*nubigena* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia nubigena*.  
*piresii* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 698 (1986 publ. 1987)—Brazil.  
*riparia* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987)—Venezuela.  
*savannensis* (L.B. Smith) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 695 (1986 publ. 1987): *Cottendorfia savannensis*.  
*saxicola* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 693 (1986 publ. 1987)—Venezuela.  
*sessilis* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 693 (1986 publ. 1987)—Venezuela.  
*smithiana* (Steyermark & Luteyn) L.B. Smith in *Ann. Missouri Bot. Gard.*, 73(4): 698 (1986 publ. 1987): *Connellia smithiana*.  
*terramarae* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 698 (1986 publ. 1987)—Venezuela.

**LINGNANIA** (Gramin.).

- chungii*  
var. *barbellata* Q.H. Dai in *Acta Phytotax. Sin.*, 24(5): 395 (1986)—China.

**LINGNANIA** :-

longianthera G.A. Fu in *J. Bamboo Res.*, 5(2): 41 (1986)—Hainan.

**LINKAGROSTIS** A.T. Romero García, G. Blanca & C. Morales Torres in Candollea, 42(1): 383 (1987). GRAMINEAE.

juressi (Link) A.T. Romero García, G. Blanca & C. Morales Torres in Candollea, 42(1): 383 (1987): Agrostis juressi.

**LINUM** (Linac.).

sect. Stellerolinum Juz. ex N.S. Probatova in Sosud. Rast. Sovet. Dal'nego Vostoka, 3: 136 (1988).

## capitatum

subsp. serrulatum (Bertol.) P. Hartvig in A. Strid (ed.), Mount. Fl. Greece, 1: 556 (1986): L. serrulatum.

## flavum

subsp. albanicum (Janchen) P. Hartvig in A. Strid (ed.), Mount. Fl. Greece, 1: 556 (1986): L. albanicum.

hellenicum G.A. Iatrou in Willdenowia, 19(1): 69 (1989)—Greece.

ockendonii W. Greuter & Burdet in Willdenowia, 19(1): 35 (1989)—France.

## olympicum

subsp. athoum P. Hartvig in A. Strid (ed.), Mount. Fl. Greece, 1: 563 (1986)—Greece. N1

## suffruticosum

subsp. milletii (Sennen & Gonzalo) A.M. Romo i Diez, Pl. Vasc. Abella de la Conca: 28 (1989): L. milletii.

## usitatissimum

subsp. bienne (Mill.) A.K. Stankevich in Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt., 113: 61 (1987): L. bienne.

subsp. humile (Mill.) N.M. Chernomorskaya in Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt., 113: 58 (1987), as '(L.)': L. humile.

subsp. intermedium N.M. Chernomorskaya in Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt., 113: 60 (1987)—Cultivation.

subsp. latifolium (L.) A.K. Stankevich in Sborn. Nauch. Tr. Prikl. Bot. Genet. Selekt., 113: 59 (1987), given basionym non-existent: L. usitatissimum  $\zeta$ . latifolium.

**LIPARIS** (Orchidac.).

aaronii P.J. Cribb & B. Lewis in Orchid Rev., 97(1150): 251 (1989)—Vanuatu.

argentopunctata L.V. Aver'yanov in Bot. Zhurn., 73(1): 106 (1988)—Vietnam.

dendrochiloides Seidenf. ex L.V. Aver'yanov in Bot. Zhurn., 73(3): 432 (1988)—Vietnam.

greenwoodiana A. Espejo Serna in Orquidea (México), 10(2): 370 (1987)—Mexico.

hirtzii C.H. Dodson in Ic. Pl. Trop., Ser. 2, 6: t. 511 (1989)—Ecuador.

kinabaluensis J.J. Wood in Lindleyana, 5(2): 84 (1990)—Borneo (Sabah).

## krameri

var. sasaki (Hayata) T. Hashimoto in Bull. Nation. Sci. Mus., B (Tokyo), 13(1): 39 (1987): L. sasaki.

tigerhillensis A.P. Das & S. Chanda in J. Econ. Taxon. Bot., 12(2): 403 (1988 publ. 1989)—India, Sikkim.

truncata F. Maekawa ex T. Hashimoto in Bull. Nation. Sci. Mus., B (Tokyo), 13(1): 38 (1987)—Japan.

## vestita

subsp. seidenfadenii S. Misra in Nordic J. Bot., 6(1): 26 (1986)—India.

yamadac (Tuyama) F.R. Fosberg & M.H. Sacht in Micronesica, 20(1-2): 141 (1988): Cestichis yamadac.

**LIPOCARPHA** (Cyperac.).

abietina P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 19 (1989)—Burundi, Senegal, Ivory Coast, Mali, Upper Volta, Central African Republic, Chad, Cameroun, Zaïre, Tanzania, Angola, Botswana.

aristulata (Cov.) G.C. Tucker in J. Arnold Arbor., 68(4): 410 (1987): Hemicarpha micrantha var. aristulata.

constricta P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 31 (1989)—Burundi, Ethiopia.

**LIPOCARPHA** :-

crassiscuspis (J. Raynal) P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 32 (1989): L. prieuriana var. crassiscuspis.

drummondii (Nees) G.C. Tucker in J. Arnold Arbor., 68(4): 410 (1987): Hemicarpha drummondii.

hemisphaerica (Roth) P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 37 (1989): Scirpus hemisphaericus.

kernii (Raymond) P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 42 (1989): Scirpus kernii.

mangarevica H. St. John, Census Flora Gambier Is., Polynesia (Pacific Pl. Studies 43): 9 (1988)—Tuamotu Is.

micrantha (Vahl) G.C. Tucker in J. Arnold Arbor., 68(4): 410 (1987): Scirpus micranthus.

occidentalis (Gray) G.C. Tucker in J. Arnold Arbor., 68(4): 410 (1987): Hemicarpha occidentalis.

perspicua S.S. Hooper in Kew Bull., 41(2): 424 (1986)—Angola.

reddyi S.S. Hooper in Kew Bull., 41(2): 427 (1986)—India.

rehmannii (Ridley) P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 64 (1989): Scirpus rehmannii.

schomburgkii (Friedl.) G.C. Tucker in J. Arnold Arbor., 68(4): 410 (1987): Hemicarpha schomburgkii.

squarrosa (L.) P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 71 (1989): Scirpus squarrosus.

thermalis J. Raynal ex P. Goetghebeur in Wageningen Agric. Univ. Pap., 89(1): 73 (1989)—Zaïre.

**LIPPIA** (Verbenac.).

## baumii

var. nyikensis R.B. Fernandes in Bol. Soc. Brot., 59: 252 (1986)—Malawi.

var. nyassensis R.B. Fernandes in Bol. Soc. Brot., 59: 251 (1986)—Malawi.

**LIRIOPE** (Convallariac.).

## spicata

var. humilis F.Z. Li in Bull. Bot. Res. North-East. Forest. Inst., 6(1): 170 (1986)—China.

**LISIANTHIUS** (Gentianac.).

aurantiacus K.J. Sytsma in Ann. Missouri Bot. Gard., 75(4): 1599 (1988 publ. 1989)—Panama.

habuensis K.J. Sytsma in Ann. Missouri Bot. Gard., 75(4): 1597 (1988 publ. 1989)—Panama.

weaveri K.J. Sytsma in Ann. Missouri Bot. Gard., 75(4): 1596 (1988 publ. 1989)—Panama.

**LISSOCARPA** (Lissocarpace.).

stenocarpa J.A. Steyermark in Ann. Missouri Bot. Gard., 74(1): 104 (1987)—Venezuela.

**LISTERA** (Orchidac.).

## cordata

f. tetraphylla G. Lavoie in Provancheria, 17: 92 (1984)—Canada (Quebec).

## grandiflora

var. megalochila S.C. Chen in Acta Phytotax. Sin., 25(6): 473 (1987)—China.

nandadeviensis P.K. Hajra in Bull. Bot. Surv. India, 25(1-4): 181 (1983 publ. 1985)—India.

**LITHOCARPUS** (Fagac.).

amoenus W.Y. Chun & C.C. Huang in Guihaia, 8(1): 12 (1988)—China.

apricus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 40 (1988)—China.

## arisanensis

var. globosa C.F. Shen in C.F. Shen & T.S. Liu, Taxon. & Pollen Morph. Fagaceae Taiwan: 26 (1984)—Taiwan.

calophyllus Chun ex C.C. Huang & Y.T. Chang in Guihaia, 8(1): 27 (1988)—China.

cinereus W.Y. Chun & C.C. Huang in Guihaia, 8(1): 11 (1988)—China.

## corneus

var. angustifolius C.C. Huang & Y.T. Chang in Guihaia, 8(1): 15 (1988)—China.

var. fructuosus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 15 (1988)—China.

var. hainanensis (Merr.) C.C. Huang & Y.T. Chang in Guihaia, 8(1): 14 (1988): Quercus hainanensis.

**LITHOCARPUS** :-

var. rhytidophyllus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 15 (1988)—China.

var. zonatus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 14 (1988)—China.

cucullatus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 23 (1988)—China.

damiaoshanicus C.C. Huang & Y.T. Chang in Guihaia, 10(1): 8 (1990), contrary to Art. 37.5 ICBN (1988)—China.

## elegans

var. collettii (King ex Hook. f.) H.B. Naithani & S. Biswas in H.B. Naithani, Flow. Pl. India, Nepal & Bhutan: 388 (1990): Quercus spicata var. collettii.

eriobotryoides C.C. Huang & Y.T. Chang in Guihaia, 8(1): 25 (1988)—China.

fangii (Hu & Cheng) C.C. Huang & Y.T. Chang in Guihaia, 8(1): 32 (1988): Pasania fangii.

floccosus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 20 (1988)—China.

gaoligongensis C.C. Huang & Y.T. Chang in Guihaia, 8(1): 39 (1988)—China.

gelinicus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 31 (1988), nom. nov.: Quercus spicata var. collettii King.

himalaicus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 13 (1988), nom. nov.: Quercus spicata var. gracilipes Hook. f.

jenkinsii (Benth.) C.C. Huang & Y.T. Chang in Guihaia, 8(1): 36 (1988): Quercus jenkinsii.

kuanunensis (Tomia) C.F. Shen in C.F. Shen & T.S. Liu, Taxon. & Pollen Morph. Fagaceae Taiwan: 36 (1984): Synaedrys kuanunensis.

var. lepidobalanus C.F. Shen in C.F. Shen & T.S. Liu, Taxon. & Pollen Morph. Fagaceae Taiwan: 36 (1984)—Taiwan.

leucodermis W.Y. Chun & C.C. Huang in Guihaia, 8(1): 18 (1988)—China.

levis W.Y. Chun & C.C. Huang in Guihaia, 8(1): 2 (1988)—China.

## litseifolius

var. pubescens C.C. Huang & Y.T. Chang in Guihaia, 8(1): 11 (1988)—China.

longanoides C.C. Huang & Y.T. Chang in Guihaia, 8(1): 26 (1988)—China.

macilentus W.Y. Chun & C.C. Huang in Guihaia, 8(1): 30 (1988)—China.

melanochromus Chun & Tsiang ex C.C. Huang & Y.T. Chang in Guihaia, 8(1): 29 (1988)—China.

nitidinix (Hu) Chun ex C.C. Huang & Y.T. Chang in Guihaia, 8(1): 27 (1988): Pasania nitidinix.

oblanceolatus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 24 (1988)—China.

pasania C.C. Huang & Y.T. Chang in Guihaia, 8(1): 35 (1988), nom. nov.: Pasania lithocarpaea Oerst.

propinquus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 19 (1988)—China.

qinzhouicus C.C. Huang & Y.T. Chang in Guihaia, 8(1): 17 (1988)—China.

quercifolius C.C. Huang & Y.T. Chang in Guihaia, 8(1): 16 (1988)—China.

talangensis C.C. Huang & Y.T. Chang in Guihaia, 8(1): 21 (1988), nom. nov.: L. dealbatus var. yunnanensis A. Camus.

## uvariifolius

var. ellipticus (Metc.) C.C. Huang & Y.T. Chang in Guihaia, 8(1): 16 (1988): L. ellipticus.

**LITHODORA** (Boraginac.).

lusitanica (Samp.) J. Holub in Preslia, 58(4): 302 (1986): Lithospermum lusitanicum.

**LITHOPS** (Aizoac.).

## aucampiae

subsp. euniceae (De Boer) D.T. Cole, Lithops Flowering Stones: 220 (1988): L. aucampiae var. euniceae.

## dinteri

subsp. frederici (Cole) D.T. Cole, Lithops Flowering Stones: 220 (1988): L. dinteri var. frederici.

subsp. multipunctata (De Boer) D.T. Cole, Lithops Flowering Stones: 227 (1988): L. dinteri var. multipunctata.

## gracilidelineata

subsp. brandbergensis (De Boer) D.T. Cole, Lithops Flowering Stones: 217 (1988): L. pseudotruncatella var. brandbergensis.

**LITHOPS** :-**hookeri**

var. *dabneri* (L. Bol.) D.T. Cole, *Lithops Flowering Stones*: 218 (1988): L. *dabneri*.

var. *elephina* (Cole) D.T. Cole, *Lithops Flowering Stones*: 219 (1988): L. *turbiniiformis* var. *elephina*.

var. *lutea* (De Boer) D.T. Cole, *Lithops Flowering Stones*: 225 (1988): L. *turbiniiformis* var. *lutea*.

var. *marginata* (Nel) D.T. Cole, *Lithops Flowering Stones*: 226 (1988): L. *marginata*.

var. *subfenestrata* (De Boer) D.T. Cole, *Lithops Flowering Stones*: 231 (1988): L. *turbiniiformis* var. *subfenestrata*.

var. *susannae* (Cole) D.T. Cole, *Lithops Flowering Stones*: 231 (1988): L. *turbiniiformis* var. *susannae*.

**karasmontana**

subsp. *bella* (N.E. Br.) D.T. Cole, *Lithops Flowering Stones*: 217 (1988): L. *bella*.

subsp. *eberlanzii* (Dint. & Schwant.) D.T. Cole, *Lithops Flowering Stones*: 219 (1988): *Mesembryanthemum eberlanzii*.

**lesliei**

subsp. *burchellii* D.T. Cole, *Lithops Flowering Stones*: 217, 168 (1988)—South Africa (Cape Province).

**olivacea**

var. *nebrowanii* D.T. Cole, *Lithops Flowering Stones*: 227, 176 (1988)—South Africa (Cape Province).

**pseudotruncatella**

subsp. *archerae* (De Boer) D.T. Cole, *Lithops Flowering Stones*: 217 (1988): L. *archerae*.

subsp. *dendritica* (Nel) D.T. Cole, *Lithops Flowering Stones*: 218 (1988): L. *dendritica*.

subsp. *groendrayensis* (Jacobs.) D.T. Cole, *Lithops Flowering Stones*: 222 (1988): L. *pseudotruncatella* var. *groendrayensis*.

subsp. *volkii* (Schwant. ex De Boer & Boom) D.T. Cole, *Lithops Flowering Stones*: 233 (1988): L. *pseudotruncatella* var. *volkii*.

**schwantesii**

subsp. *gebseri* (De Boer) D.T. Cole, *Lithops Flowering Stones*: 221 (1988): L. *schwantesii* var. *gebseri*.

**villetii**

subsp. *deboeri* (Schwant.) D.T. Cole, *Lithops Flowering Stones*: 218 (1988): L. *deboeri*.

subsp. *kennedyi* (De Boer) D.T. Cole, *Lithops Flowering Stones*: 224 (1988): L. *fulleri* var. *kennedyi*.

**LITHOSPERMUM** (Boraginac.).

*lanceolatum* (Pursh) Sweet, *Hort. Brit.*, ed. 2: 374 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.

**LITOSANTHES** (Rubiace.).

*biernannii* (King ex Hook. f.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 211 (1989): *Lasianthus biernannii*.

*capitulatus* (Wt.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 213 (1989): *Lasianthus capitulatus*.

*cinereus* (Gamble) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 215 (1989): *Lasianthus cinereus*.

*dichotomus* (Wt.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 215 (1989): *Lasianthus dichotomus*.

*filiformis* (King & Gamble) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus filiformis*.

var. *bracteata* (King & Gamble) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus filiformis* var. *bracteata*.

*longicauda* (Hook. f.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 218 (1989): *Lasianthus longicauda*.

*micranthus* (Hook. f.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 220 (1989): *Lasianthus micranthus*.

*pendulus* (Ridley) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus pendulus*.

*pseudolucidus* (King) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus pseudo-lucidus*.

**LITOSANTHES** :-

*robinsonii* (Ridley) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus robinsonii*.

*scalariformis* (King & Gamble) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 222 (1989): *Lasianthus scalariformis*.

*subspicatus* (King & Gamble) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 223 (1989): *Lasianthus subspicatus*.

*varians* (Hook. f.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 223 (1989): *Lasianthus varians*.

*venulosus* (Wt. & Arn.) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 220 (1989): *Santia venulosa*.

*villosus* (Ridley) D.B. Deb & M. Gangopadhyay in *Candollea*, 44(1): 223 (1989): *Lasianthus villosus*.

**LITSEA** (Laurac.).

subgen. *Actinodaphne* (Nees) J.C. Liao, *Taxon. Revis. Fam. Lauraceae in Taiwan*: vi (1988), without basionym ref.: Basionym not stated.

**akoensis**

f. *hayatae* (Kanehira) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 278 (1985), without basionym ref.: L. *hayatae*.

*anningheensis* N. Chao & J.S. Liu in *Bull. Forest Pl. Res.*, 4: 11 (1988)—China.

*auricolor* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 464 (1988), nom. nov.: L. *aureo-sericea* Kostermans (1974).

*australis* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 255 (1989)—Australia (New South Wales, Queensland).

*bennettii* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 256 (1989)—Australia (Queensland).

*boerlagei* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 464 (1988), nom. nov.: L. *ambigua* (Bl.) Boerlage.

*caulostachys* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 464 (1988), nom. nov.: L. *cauliflora* (Meissn.) Trimen.

*citronella* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 465 (1988)—Vietnam, Hainan.

*connorsii* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 259 (1989)—Australia (Queensland).

**coreana**

var. *wolongensis* N. Chao & G.T. Gong in *Bull. Forest Pl. Res.*, 4: 12 (1988)—China.

**cubebea**

f. *glabrata* (Diels) N. Chao & J.S. Liu in *Bull. Forest Pl. Res.*, 4: 12 (1988): L. *mollis* var. *glabrata*.

**elongata**

var. *acutivena* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 285 (1985): L. *acutivena*.

var. *mushaensis* (Hay.) J.C. Liao, *Taxon. Revis. Fam. Lauraceae in Taiwan*: 92 (1988): L. *mushaensis*.

f. *postiglaba* J.C. Liao, *Taxon. Revis. Fam. Lauraceae in Taiwan*: 94 (1988)—Taiwan.

var. *suberosa* (Yang & Huang) N. Chao & J.S. Liu in *Bull. Forest Pl. Res.*, 4: 13 (1988): L. *suberosa*.

*elongatoides* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 466 (1988), nom. nov., homotypic with L. *pseudolongifolia* Kostermans: L. *pseudo-elongata* Kostermans.

*fawcettiana* (F. Muell.) B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 260 (1989): *Cylicodaphne fawcettiana*.

*fluminensis* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 466 (1988), nom. nov.: L. *acuminata* (Teschn.) Kostermans.

*foveola* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 466 (1988), nom. nov.: L. *foveolata* Yang & P.H. Huang.

**glutinosa**

var. *brachyphylla* (Hand.-Mazz.) L.C. Wang in *Acta Bot. Bor.-Occid. Sin.*, 6(1): 64 (1986): L. *sebifera* var. *brachyphylla*.

*granitica* B.P.M. Hyland in *Austral. Syst. Bot.*, 2(2-3): 262 (1989)—Australia (Queensland).

*involuta* (Roxb.) Hereman, *Pact. Bot. Dict.*: 612 (1868); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.

*lakshmanmaniana* K.R. Keshava Murthy & S.N. Yoganarasimhan in *Current Sci.*, 56(8): 371 (1987)—India.

**LITSEA** :-**morrissonensis**

var. *lii* (Chang) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 280 (1985): L. *lii*.

**pedunculata**

var. *obscurovenulosa* N. Chao & G.T. Gong in *Bull. Forest Pl. Res.*, 4: 13 (1988), as 'obscurovenulosa'—China.

*pseudolongifolia* A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 467 (1988), nom. nov., homotypic with L. *elongatoides* Kostermans: L. *pseudo-elongata* Kostermans.

*quinqueflora* (Dennst.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rheedee's Hort. Malab.*: 158 (1988): *Darwinia quinqueflora*.

*rotundata* (Bl.) A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 468 (1988): *Tetranthera resinosa* var. *rotundata*.

**rubescens**

var. *gulinensis* N. Chao & J.S. Liu in *Bull. Forest Pl. Res.*, 4: 14 (1988)—China.

*vartakii* M.R. Almeida in *J. Bombay Nat. Hist. Soc.*, 86(2): 180 (1989), nom. nov.: L. *stocksii* Hook. f.

**LITTAEAE** (Agavac.).

*junccea* E. Morr., *Belg. Hort.*, 16: 343 (1866); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**LLERASIA** (Compos.).

*pascoensis* A. Sagástegui-Alva & M.O. Dillon in *Brittonia*, 40(4): 363 (1988)—Peru.

*sanmartinensis* A. Sagástegui-Alva & M.O. Dillon in *Brittonia*, 40(4): 365 (1988)—Peru.

**LLOYDIA** (Liliac.).

*yanyuanensis* S.Y. Liang in *Acta Bot. Yunnanica*, 8(2): 227 (1986)—China.

**LOBADIUM** (Anacardiace.).

*aromaticum* (Ait.) Sweet, *Hort. Brit.*: 98 (1826); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): *Rhus aromatica*.

**LOBANILIA** A. Radcliffe-Smith in *Kew Bull.*, 44(2):

334 (1989). **EUPHORBIACEAE.**

*asterothrix* A. Radcliffe-Smith in *Kew Bull.*, 44(2): 335 (1989)—Madagascar.

*bakeriana* (Baill.) A. Radcliffe-Smith in *Kew Bull.*, 44(2): 335 (1989): *Claoxylon bakerianum*.

*claoxylodes* A. Radcliffe-Smith in *Kew Bull.*, 44(2): 337 (1989)—Madagascar.

*crotonoides* A. Radcliffe-Smith in *Kew Bull.*, 44(2): 337 (1989)—Madagascar.

*hirtella* (Baill.) A. Radcliffe-Smith in *Kew Bull.*, 44(2): 338 (1989): *Claoxylon hirtellum*.

*luteobrunnea* (Bak.) A. Radcliffe-Smith in *Kew Bull.*, 44(2): 338 (1989): *Croton luteo-brunneus*.

*ovalis* (Baill.) A. Radcliffe-Smith in *Kew Bull.*, 44(2): 338 (1989): *Claoxylon ovale*.

**LOBELIA** (Campanulac.).

*aurita* (Brandege) T.J. Ayers in *Syst. Bot.*, 15(2): 324 (1990): *Heterotoma aurita*.

*blanda* (G. Don f.) Endl., *Cat. Horti Vindob.*, 1: 437 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.

**dunbarii**

subsp. *paniculata* (Rock) T.G. Lammers in *Syst. Bot.*, 13(4): 506 (1988): L. *hillebrandii* var. *paniculata*.

*endlichii* (F. Wimmer) T.J. Ayers in *Syst. Bot.*, 15(2): 319 (1990): *Heterotoma endlichii*.

**flexuosa**

var. *intermedia* (Hemsley) T.J. Ayers in *Syst. Bot.*, 15(2): 321 (1990): *Heterotoma intermedia*.

**gaudichaudii**

var. *albiflora* H. St. John & A.C. Medeiros in *Phytologia*, 63(5): 366 (1987)—Hawaiian Is.

subsp. *koolauensis* (Hosaka & Fosb.) T.G. Lammers in *Syst. Bot.*, 13(4): 506 (1988): L. *gaudichaudii* var. *koolauensis*.

*goldmannii* (Fern.) T.J. Ayers in *Syst. Bot.*, 15(2): 322 (1990): *Heterotoma goldmannii*.

*gypsophila* T.J. Ayers in *Sida*, 13(2): 144 (1988), nom. nov.: *Heterotoma pringlei* B.L. Robinson.



**LOBELIA** :-

- hotteana* W.S. Judd & J.D. Skee in *Bull. Florida State Mus., Biol. Sci.*, 32(1): 139 (1987)—Hispaniola (Haiti).  
*knoblochii* T.J. Ayers in *Brittonia*, 39(4): 420 (1987)—Mexico.  
*macrocentron* (Benth.) T.J. Ayers in *Brittonia*, 39(4): 418 (1987): *Heterotoma macrocentron*.  
*macvaughii* T.J. Ayers in *Brittonia*, 39(4): 421 (1987), as '*mcvaughii*'—Mexico.  
*monostachya* (Rock) T.G. Lammers in *Syst. Bot.*, 13(4): 506 (1988): *L. hillebrandii* var. *monostachya*.  
*tortuosa*  
   *var. haupuensis* H. St. John in *Phytologia*, 62(5): 435 (1987)—Hawaiian Is.  
*villaregalis* T.J. Ayers in *Brittonia*, 39(4): 419 (1987)—Mexico.  
*volcanica* T.J. Ayers in *Syst. Bot.*, 15(2): 317 (1990), nom. nov.: *Heterotoma tenella* Turcz.

**LOBIVIA** (Cactac.).

- haematantha*  
   *f. sublimiflora* (Backb. ex Wessn.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. sublimiflora*.  
*hertrichiana*  
   *f. binghamiana* (Backb.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. binghamiana*.  
   *f. incaica* (Backb.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. incaica*.  
   *f. minuta* (Ritt.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. minuta*.  
*jajoana*  
   *var. vatteri* (Kraenz) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. vatteri*.  
*lateritia*  
   *var. cintiensis* (Cárd.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. cintiensis*.  
*pentlandii*  
   *f. bruneorosea* (Backb.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. bruneo-rosea*.  
   *f. schneideriana* (Backb.) Ullmann in *Kaktusy (Brno)*, 26(1): 19 (1990): *L. schneideriana*.  
*shafieri*  
   *var. albiflora* (Rausch) E. Herzog in *Kakt./Sukk.*, 19(1–2): 9 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *L. aurea* var. *albiflora*.  
   *subsp. aurea* (B. & R.) E. Herzog in *Kakt./Sukk.*, 19(1–2): 6 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *Echinopsis aurea*.  
   *f. cylindracea* (Backeb.) E. Herzog in *Kakt./Sukk.*, 19(1–2): 3 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): *L. cylindracea*.  
   *subsp. fallax* (Oehme) E. Herzog in *Kakt./Sukk.*, 19(1–2): 14 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *L. fallax*.  
   *var. flaviflora* (Spegazzini) E. Herzog in *Kakt./Sukk.*, 19(1–2): 3 (1985), nom. inval. (art. 33.2); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *Cereus huascha* var. *flaviflora*.  
   *subsp. leucomalla* (Wessner) E. Herzog in *Kakt./Sukk.*, 19(1–2): 10 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *L. leucomalla*.  
   *f. luteiflora* (Backeb.) E. Herzog in *Kakt./Sukk.*, 19(1–2): 7 (1985), basionym not validly publ.; *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 7 (1985 publ. 1986): *Pseudolobivia luteiflora*.  
   *var. quinesensis* (Rausch) E. Herzog in *Kakt./Sukk.*, 19(1–2): 11 (1985); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): *Echinopsis aurea* var. *quinesensis*.  
   *subsp. rubriflora* E. Herzog in *Kakt./Sukk.*, 19(1–2): 13 (1985), nom. inval. (art. 33.2); *cf. Repert. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986)—Locality not stated.

**LOBULARIA** (Crucif.).

- canariensis* (DC.) L. Borgen in *Op. Bot.*, 91: 66 (1987): *Alyssum maritimum* var. *canariense*.  
   *subsp. fruticosa* (Webb) L. Borgen in *Op. Bot.*, 91: 70 (1987): *Konigia fruticosa*.  
   *subsp. intermedia* (Webb) L. Borgen in *Op. Bot.*, 91: 73 (1987): *L. intermedia*.  
   *subsp. marginata* (Webb) L. Borgen in *Op. Bot.*, 91: 75 (1987): *Konigia marginata*.  
   *subsp. microsperma* L. Borgen in *Op. Bot.*, 91: 77 (1987)—Canary Is.

**LOBULARIA** :-

- subsp. palmensis* (Christ) L. Borgen in *Op. Bot.*, 91: 77 (1987): *L. palmensis*.  
   *subsp. rosula-venti* (Svent.) L. Borgen in *Op. Bot.*, 91: 80 (1987): *L. maritima* var. *rosula-venti*.  
   *subsp. spathulata* (J.A. Schmidt) L. Borgen in *Op. Bot.*, 91: 80 (1987): *Konigia spathulata*.  
   *subsp. succulenta* L. Borgen in *Op. Bot.*, 91: 82 (1987)—Salvage Is.

**LOCKHARTIA** (Orchidac.).

- bennettii* C.H. Dodson in *lc. Pl. Trop.*, Ser. 2, 1: t. 88 (1989)—Peru.

×**LOCKKOCHILETTIA** hort. in *Orchid Rev.*, 97(1145): centre page pull-out p. 9 (1989). **ORCHIDACEAE**. (*Comparettia* × *Leochilus* × *Lockhartia*).

×**LOCKGOGCHILUS** hort. in *Orchid Rev.*, 98(1162): centre page pull-out p. 9 (1990). **ORCHIDACEAE**. (*Gomesa* × *Leochilus* × *Lockhartia*).

×**LOCKOSTALIX** hort. in *Orchid Rev.*, 95(1127): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (*Lockhartia* × *Sigmatostalix*).

**LOESELIA** (Polemoniace.).

- rzadowskii* R. McVaugh in *Acta Bot. Mex.*, 11: 11 (1990)—Mexico.

**LOESELIASTRUM** (Brand) S. Timbrook in

- Madroño*, 33(3): 170 (1986): *Langloisia* sect. *Loeseliastrum* (Polemoniace.).  
*matthewsii* (A. Gray) S. Timbrook in *Madroño*, 33(3): 171 (1986): *Loeselia matthewsii*.  
*schottii* (Torr.) S. Timbrook in *Madroño*, 33(3): 172 (1986): *Navarretia schottii*.

**LOESENERIELLA** (Celastrac.).

- africana*  
   *var. obtusifolia* (Roxburgh) N. Hallé in *Fl. Gabon*, 29: 255 (1986): *Hippocratea obtusifolia*.  
   *var. togoensis* (Loesener) N. Hallé in *Fl. Gabon*, 29: 255 (1986): *Hippocratea cymosa* var. *togoensis*.  
*andamanica* (King) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 95 (1990): *Hippocratea andamanica*.  
*apocynoides*  
   *var. guineensis* (Hutchinson & Moss) N. Hallé in *Fl. Gabon*, 29: 248 (1986): *Hippocratea guineensis*.  
*camerunica* (Loesener) N. Hallé in *Fl. Gabon*, 29: 242 (1986): *Hippocratea camerunica*.  
*crenata* (Klotzsch) Wilczek ex N. Hallé in *Fl. Gabon*, 29: 238 (1986): *Gymnema crenatum*.  
   *var. loandensis* (Exell) N. Hallé in *Fl. Gabon*, 29: 239 (1986): *Hippocratea loandensis*.  
   *var. rubiginosa* (Perrier) N. Hallé in *Fl. Gabon*, 29: 240 (1986): *Hippocratea rubiginosa*.  
*iotricha*  
   *var. robida* N. Hallé in *Fl. Gabon*, 29: 252 (1986)—Gabon.  
*nicobarica* (Kurz) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 95 (1990): *Hippocratea nicobarica*.

**LOHERIA** (Myrsinac.).

- papuana* Mez ex H. Sleumer in *Blumea*, 33(1): 101 (1988)—New Guinea (W. Irian, Papua New Guinea).  
*reiniana* (Jacobs) H. Sleumer in *Blumea*, 33(1): 101 (1988): *Tapeinosperma reinianum*.

**LOLIUM** (Gramin.).

- gracile* (Dumort.) B.D. Jackson in *Index Kewensis*, 2: 109 (1753–1885 publ. 1894): *L. temulentum* \* (subsp.) *gracile*.  
*rigidum*  
   *subsp. negevense* N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 397, 232 (1986)—Israel, Sinai Peninsula.

**LOMANDRA** (Xanthorrhoeac.).

- sect. *Capitatae* (G. Don) A.T. Lee in *Fl. Australia*, 46: 223 (1986): *Xerotes* sect. *Capitatae*.  
 ser. *Sparsiflorae* (Benth.) A.T. Lee in *Fl. Australia*, 46: 223 (1986): *Xerotes* ser. *Sparsiflorae*.

**LOMANDRA** :-

- micrantha*  
   *subsp. teretifolia* J. Everett in *Fl. Australia*, 46: 222, 131 (1986)—Australia (W. Australia, Victoria).  
   *subsp. tuberculata* J. Everett in *Fl. Australia*, 46: 222, 131 (1986)—Australia (S. Australia, New South Wales, Victoria).  
*multiflora*  
   *subsp. dura* (F. Muell.) T.D. Macfarlane in *Fl. Australia*, 46: 224 (1986): *Xerotes dura*.  
*nana* (A. Lee) A.T. Lee in *Fl. Australia*, 46: 223 (1986): *L. glauca* subsp. *nana*.  
*teres* T.D. Macfarlane in *Fl. Australia*, 46: 224, 106 (1986)—Australia (Queensland).

**LOMATIUM** (Umbellif.).

- cookii* J.S. Kagan in *Madroño*, 33(1): 71 (1986)—U.S.A. (Oregon).  
*graveolens* (Wats.) R.D. Dorn & R.L. Hartman in *Madroño*, 35(1): 71 (1988): *Peucedanum graveolens*.  
   *var. alpinum* (Wats.) R.D. Dorn & R.L. Hartman in *Madroño*, 35(1): 71 (1988): *Peucedanum graveolens* var. *alpinum*.  
*kingii* (Wats.) A. Cronquist in *Great Basin Nat.*, 46(2): 254 (1986): *Peucedanum kingii*.  
   *var. alpinum* (Wats.) A. Cronquist in *Great Basin Nat.*, 46(2): 255 (1986): *Peucedanum graveolens* var. *alpinum*.  
*scabrum*  
   *var. tripinnatum* S. Goodrich in *Great Basin Nat.*, 46(1): 99 (1986)—U.S.A. (Utah, Arizona).  
*shevockii* R.L. Hartman & L. Constance in *Madroño*, 35(2): 121 (1988)—U.S.A. (California).

**LOMATOCARPA** (Umbellif.).

- sect. *Alposelinum* (M. Pimen.) M.G. Pimenov & T.V. Lavrova in *Bot. Zhurn.*, 72(1): 35 (1987): gen. *Alposelinum*.  
*albomarginata* (Schrenk) M.G. Pimenov & T.V. Lavrova in *Bot. Zhurn.*, 72(1): 35 (1987): *Neogaya simplex* β. *albomarginata*.

**LOMATOGONIUM** (Gentianac.).

- sect. *Pleurogynella* (Ikonn.) Sunita Garg née Agrawal, *Gentianac. N.W. Himalayas (Internat. Biosci. Monog.* 17): 159 (1987): gen. *Pleurogynella*.  
*perenne* T.N. He & S.W. Liu ex J.X. Yang in *Fl. Tsinlingensis*, 1(4): 396, 122 (1983)—China.

**LOMATOPODIUM** (Umbellif.).

- staurophyllum* (Rech. f.) K.H. Rechinger in *Fl. Iran.*, 162: 349 (1987): *Seseli staurophyllum*.

**LOMELOSIA** (Dipsacac.).

- alpestris* (Kar. & Kir.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 57 (1987): *Scabiosa alpestris*.  
*austroaltaica* (Bobrov) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 57 (1987): *Scabiosa austroaltaica*.  
*brachycarpa* (Boiss. & Hohen.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 57 (1987): *Scabiosa brachycarpa*.  
*candollii* (Wall. ex DC.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 57 (1987): *Scabiosa candollii*.  
*flavida* (Boiss. & Hausskn.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa flavida*.  
*graminifolia*  
   *subsp. arizagae* (Uribe & Alejandre) A.M. Romo in *Willdenowia*, 15(2): 421 (1986): *Scabiosa graminifolia* subsp. *arizagae*.  
*gumbetica* (Boiss.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa gumbetica*.  
*isetensis* (L.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa isetensis*.  
*leucactis* (Patzak) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa leucactis*.  
*macrochaete* (Boiss. & Hausskn.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa macrochaete*.  
*olgae* (Albott) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa olgae*.  
*rhodantha* (Kar. & Kir.) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa rhodantha*.  
*songarica* (Schrenk ex Fischer & Meyer) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa songarica*.  
*speciosa* (Royle) J. Soják in *Sborn. Nár. Muz. Pražé*, B, 43(1): 58 (1987): *Scabiosa speciosa*.

**LOMELOSIA** :-

- ucranica (L.) J. Soják in *Sborn. Nár. Muz. Prazě*, B, 43(1): 58 (1987): Scabiosa ucranica.  
 ulugbekii (Zak. ex Bobrov) J. Soják in *Sborn. Nár. Muz. Prazě*, B, 43(1): 58 (1987): Scabiosa ulugbekii.

**LONCHOCARPUS** (Legumin.).

- acuminatus (Schldl.) M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 724 (1986 publ. 1987): Robinia acuminata.  
 balsensis M. Sousa S. & J.C. Soto N. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 70 (1987 publ. 1989)—Mexico.  
 bicolor M. Sousa S. in *Ann. Missouri Bot. Gard.*, 77(3): 575 (1990)—Nicaragua.  
 epigaeus M. Sousa S. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 73 (1987 publ. 1989)—Mexico.  
 ferrugineus M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 725 (1986 publ. 1987)—Costa Rica, Nicaragua, Panama.  
 huetamoensis M. Sousa S. & J.C. Soto N. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 75 (1987 publ. 1989)—Mexico.  
 subsp. xochipalensis M. Sousa S. & J.C. Soto N. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 78 (1987 publ. 1989)—Mexico.  
 longipedunculatus M. Sousa S. & J.C. Soto N. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 79 (1987 publ. 1989)—Mexico.  
 magallanesii M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 565 (1987)—Mexico.  
 minor M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 567 (1987)—Mexico.  
 monticolus M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 726 (1986 publ. 1987)—Nicaragua.  
 morenoi M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 726 (1986 publ. 1987)—Nicaragua.  
 mutans M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 569 (1987)—Mexico.  
 pilosus M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 728 (1986 publ. 1987)—Nicaragua.  
 pittieri M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 571 (1987)—Mexico.  
 rugosus  
 subsp. apricus (Lundell) M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 573 (1987): L. apricus.  
 schubertiae M. Sousa S. in *An. Inst. Biol. Univ. Nac. Autón. Méx.*, Bot., 58: 82 (1987 publ. 1989)—Mexico.  
 sericeus  
 subsp. palmeri (Rose) M. Sousa S. in *R. McVaugh, Fl. Novo-Galiciana*, 5: 576 (1987): L. palmeri.  
 torrensis N.F. Mattos in *Loefgrenia*, 92: 2 (1988)—Brazil.  
 verrucosus M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 730 (1986 publ. 1987)—Mexico, Guatemala, Nicaragua.

**LONCOMELLOS** (Hyacinthac.).

- purpureus C.S. Rafinesque, *Fl. Tellur.*, 3: 62 (1837)—Sicily.  
 pyrenaicus (L.) Hrouda ex J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): Ornithogalum pyrenaicum.  
 subsp. sphaerocarpus (A. Kern.) J. Holub in *Folia Geobot. Phytotax.*, 23(4): 413 (1988): Ornithogalum sphaerocarpus.

**LONICERA** (Caprifoliac.).

- subsect. Uniflorae V.A. Nedoluzhko in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 284 (1987).  
 affinis  
 var. pseudohypoglaucia S. Hatusima in *J. Phytogeogr. Taxon.*, 35(2): 63 (1987)—Japan.  
 alpigena  
 var. watanabeana (Makino) H. Ohashi in *J. Jap. Bot.*, 63(1): 7 (1988): L. watanabeana.  
 caerulea  
 subsp. altaica (Pall.) V.N. Gladkova in *Arktich. Fl. SSSR*, 10: 26 (1987): L. altaica.  
 subsp. kamtschatica (Sevast.) V.N. Gladkova in *Arktich. Fl. SSSR*, 10: 28 (1987): L. caerulea var. kamtschatica.

**LONICERA** :-

- subsp. stenantha (Pojark.) Hultén ex A.K. Skvortsov in *Symb. Bot. Upsal.*, 27(2): 100 (1986 publ. 1987): L. stenantha.  
 caucasica  
 subsp. govaniana (Wall. ex DC.) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 195 (1979): L. govaniana.  
 chrysantha  
 f. crassipes (Nakai) S.L. Tung in Y.L. Chou, *Ligneous Fl. Heilongjiang*: 524 (1986): L. chrysantha var. crassipes.  
 confusa  
 var. glabrocalyx R.H. Miao & X.J. Liu in *Acta Sci. Nat. Univ. Sunyatseni*, 28(4): 78 (1989)—China.  
 fengkaensis R.H. Miao & X.J. Liu in *Acta Sci. Nat. Univ. Sunyatseni*, 28(4): 79 (1989)—China.  
 glabrata  
 var. hirticaulis C.Y. Wu & Y.F. Huang in *Fl. Xizangica*, 4: 505 (1985)—Xizang.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 216 (1784)—Japan.†  
 f. quercifolia A.I.D. Correia in *Bol. Soc. Brot.*, 60: 154 (1987)—Portugal, Azores.  
 lanceolata  
 subsp. nervosa (Maxim.) Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 352 (1988): L. nervosa.  
 periclymenum  
 f. sublobata A.I.D. Correia in *Bol. Soc. Brot.*, 60: 154 (1987)—Portugal.  
 pyrenaica  
 var. majoricensis (Gand.) J.J. Pericás & J.A. Rosselló in *Candollea*, 42(1): 397 (1987): L. majoricensis.  
 rupicola  
 subsp. syringantha (Maxim.) Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 352 (1988): L. syringantha.  
 subsp. thibetica (Bur. & Franch.) Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 351 (1988): L. thibetica.  
 tomentella  
 var. conaensis Hsu & Y.F. Huang in *Fl. Xizangica*, 4: 495 (1985)—Xizang.  
 trichosantha  
 var. xerocalyx (Diels) Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 351 (1988): L. xerocalyx.  
 webbiana  
 var. lanpingensis Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 352 (1988)—China.

**LOPHANTHERA** A.H.L. de Jussieu, Malpigh. Syn.: 53 (May 1840), preprint from *Ann. Sci. Nat.*, Bot., ser. 2, 13 (August 1840). **MALPIGHIACEAE**. †

**LOPHANTHUS** (Labiata.).

- ouroumitanensis (Franch.) T.F. Kochkareva & Zucker. in *Fl. Tadzhikskoi SSR*, 8: 99 (1986): Nepeta ouroumitanensis.  
 varzobicus T.F. Kochkareva in *Fl. Tadzhikskoi SSR*, 8: 482, 100 (1986)—U.S.S.R. (Middle Asia).  
 virescens (Lipsky) T.F. Kochkareva in *Fl. Tadzhikskoi SSR*, 8: 102 (1986): L. subnivalis α. virescens.

**LOPHOCHLAENA** (Gramin.).

- oregona (Chase) P.P.H. But in *Madroño*, 33(2): 146 (1986): Pleuropogon oregonus.

**LOPHOPTERYS** (Malpighiac.).

- inpana W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 46 (1990)—Brazil, Venezuela, Bolivia.

**LOPHOSPERMUM** D. Don ex R. Taylor, Phil. Mag., 67: 222 (31 Mar. 1826); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981). **SCROPHULARIACEAE**.

- sect. Rhodochiton (Zuccarini ex Otto & A. Dietrich) W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 78 (1985): gen. Rhodochiton.  
 breedlovei W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 77 (1985)—Mexico.  
 chiapense W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 73 (1985)—Mexico.  
 hintonii W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 81 (1985)—Mexico.  
 nubicola W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 83 (1985)—Mexico, Guatemala.

**LOPHOSPERMUM** :-

- purpurascens W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 78 (1985)—Mexico.  
 turneri W.J. Elisens, *Monogr. Maurandyinae (Scrophulariac.-Antirrhin.)* (Syst. Bot. Monog., 5): 71 (1985)—Mexico, Guatemala.

**LOREYA** (Melastomatac.).

- gracilis S.S. Renner in *Mem. New York Bot. Gard.*, 50: 45 (1989)—Bolivia.  
 klugii S.S. Renner in *Mem. New York Bot. Gard.*, 50: 52 (1989)—Colombia, Peru, Bolivia.  
 riparia S.S. Renner in *Mem. New York Bot. Gard.*, 50: 46 (1989)—Brazil.  
 subrotundifolia (Wurdack) S.S. Renner in *Mem. New York Bot. Gard.*, 50: 46 (1989): Bellucia subrotundifolia.  
 wurdackiana S.S. Renner in *Mem. New York Bot. Gard.*, 50: 42 (1989)—Brazil.

**LORICARIA** (Compos.).

- ollgaardii M.O. Dillon & A. Sagástegui-Alva in *Phytologia*, 59(4): 228 (1986)—Ecuador.  
 thyrsoidea (Cuatr.) M.O. Dillon & A. Sagástegui-Alva in *Phytologia*, 59(4): 230 (1986): L. thuyoides var. thyrsoidea.

**LOTONONIS** (Legumin.).

- acocksii B.E. van Wyk in *S. Afr. J. Bot.*, 55(2): 178 (1989)—South Africa (Cape Province).  
 acuticarpa B.E. van Wyk in *Bothalia*, 20(1): 21 (1990)—South Africa (Transvaal).  
 azureoides B.E. van Wyk in *Bothalia*, 19(1): 1 (1989)—South Africa (Cape Province).  
 bracteosa B.E. van Wyk in *Bothalia*, 20(1): 73 (1990)—Namibia.  
 brevicaulis B.E. van Wyk in *S. Afr. J. Bot.*, 53(2): 161 (1987)—South Africa (Cape Province).  
 caerulea (E. Mey.) B.E. van Wyk in *S. Afr. J. Bot.*, 54(2): 178 (1988): Aspalathus caerulea.  
 complanata B.E. van Wyk in *Bothalia*, 20(1): 77 (1990)—South Africa (Cape Province).  
 comptonii B.E. van Wyk in *Bothalia*, 18(1): 31 (1988)—South Africa (Cape Province).  
 dahlgrenii B.E. van Wyk in *Bothalia*, 18(1): 33 (1988)—South Africa (Cape Province).  
 difformis B.E. van Wyk in *S. Afr. J. Bot.*, 55(5): 529 (1989)—South Africa (Transvaal).  
 dissitinoides B.E. van Wyk in *Bothalia*, 18(1): 33 (1988)—South Africa (Cape Province).  
 esterhuyseniana B.E. van Wyk in *Bothalia*, 20(1): 70 (1990)—South Africa (Cape Province).  
 filiformis B.E. van Wyk in *Bothalia*, 20(1): 75 (1990)—South Africa (Cape Province).  
 fruticosoides B.E. van Wyk in *Bothalia*, 20(1): 9 (1990)—South Africa (Cape Province).  
 globulosa B.E. van Wyk in *Bothalia*, 20(1): 2 (1990)—South Africa (Cape Province).  
 gracilifolia B.E. van Wyk in *Bothalia*, 19(1): 3 (1989)—South Africa (Cape Province).  
 lamprifolia B.E. van Wyk in *Bothalia*, 19(1): 4 (1989)—South Africa (Cape Province).  
 laticipes B.E. van Wyk in *Bothalia*, 20(1): 3 (1990)—South Africa (Cape Province).  
 linearifolia B.E. van Wyk in *Bothalia*, 20(1): 13 (1990)—South Africa (Cape Province), Namibia.  
 longicephala B.E. van Wyk in *Bothalia*, 20(1): 5 (1990)—South Africa (Cape Province).  
 minima B.E. van Wyk in *S. Afr. J. Bot.*, 54(6): 628 (1988)—South Africa (Cape Province).  
 nutans B.E. van Wyk in *S. Afr. J. Bot.*, 55(2): 180 (1989)—South Africa (Cape Province).  
 oligocephala B.E. van Wyk in *Bothalia*, 20(1): 1 (1990)—South Africa (Cape Province).  
 pachycarpa Dinter ex B.E. van Wyk in *Bothalia*, 20(1): 11 (1990)—Namibia.  
 purpurea B.E. van Wyk in *S. Afr. J. Bot.*, 55(2): 180 (1989)—South Africa (Cape Province).  
 racemiflora B.E. van Wyk in *Bothalia*, 19(1): 7 (1989)—South Africa (Cape Province).  
 schreiberiae B.E. van Wyk in *Bothalia*, 20(1): 13 (1990), as 'schreiberi'—Namibia.  
 subulata B.E. van Wyk in *Bothalia*, 20(1): 79 (1990)—South Africa (Transvaal, Cape Province).  
 venosa B.E. van Wyk in *Bothalia*, 20(1): 19 (1990)—South Africa (Cape Province).

**LOTUS** (Legumin.).

- alpicola (G. Beck) N.A. Minyaev, Z.G. Ulle & Kritzk. in *Fl. Evropejskoj Chasti SSSR*, 6: 110 (1987): L. corniculatus var. alpicola.
- armeniacus Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 116 (1986)—Turkey.
- benoistii (Maire) P. Lassen in *Willdenowia*, 16(1): 111 (1986): Benedictella benoistii.
- canescens Sieb. ex Trev., *Ind. Sem. Wratislav. App. III*: 2 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Crete.
- conjugatus subsp. requienii (Sang.) W. Greuter in *Willdenowia*, 16(1): 112 (1986): L. requienii.
- diffusus Spreng., *Nachtr. Bot. Gart. Univ. Halle*: 27 (1801); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.
- digii A. Chrtková in *Pl. Syst. Evol.*, 155(1-4): 307 (1987)—Morocco, Algeria, Egypt.
- eriosolen (Maire) U. Mader & D. Podlech in *Mitt. Bot. Staatssamm. München*, 28: 544 (1989): L. maroccanus var. eriosolen.
- norvegicus (Chrtková-Zertová) N.A. Minyaev in *Fl. Evropejskoj Chasti SSSR*, 6: 110 (1987): L. corniculatus var. norvegicus.

**LOUISEANIA** (Rosac.).

- pedunculata (Pall.) G.V. Eremin & A.A. Yushev in *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 147: 31 (1985): Amygdalus pedunculata.

**LOURTELLA** S.A. Graham, P. Baas & H. Tobe in

- Syst. Bot.*, 12(4): 519 (1987). **LYTHRACEAE.**
- resinosa S.A. Graham, P. Baas & H. Tobe in *Syst. Bot.*, 12(4): 520 (1987)—Peru.

**LOZANIA** (Lacistematac.).

- glabrata A.H. Gentry in *Ann. Missouri Bot. Gard.*, 75(4): 1431 (1988 publ. 1989)—Colombia.

**LUCILIA** (Compos.).

- sect. Intermediae S.E. Freire in *Cladistics*, *Int. J. Willi Hennig Soc.*, 3(3): 271 (1987).
- ser. Lucilioides S.E. Freire in *Cladistics*, *Int. J. Willi Hennig Soc.*, 3(3): 272 (1987).
- subsect. Lucilioides S.E. Freire in *Cladistics*, *Int. J. Willi Hennig Soc.*, 3(3): 272 (1987).
- ser. Paralucilia S.E. Freire in *Darwiniana*, 27(1-4): 479 (1986).
- subsect. Subspicata S.E. Freire in *Cladistics*, *Int. J. Willi Hennig Soc.*, 3(3): 271 (1987).
- breweri (Steyer.) V.M. Badillo in *Ernstia*, 50: 11 (1988): Chionolaena breweri.
- burkartii (Cabr.) S.E. Freire in *Darwiniana*, 27(1-4): 465 (1986): Gnaphalium burkartii.
- catamarcensis (Cabr.) S.E. Freire in *Darwiniana*, 27(1-4): 465 (1986): Belloa catamarcensis.
- kunthiana (DC.) E. Zardini in *Ann. Missouri Bot. Gard.*, 74(2): 431 (1987): Conyza kunthiana.
- lopezmirandae (Cabr.) S.E. Freire in *Darwiniana*, 27(1-4): 469 (1986): Belloa lopezmirandae.

**LUCILIA** (Compos.).

- lycopodioides (Less.) S.E. Freire in *Taxon*, 38(2): 298 (1989): Oligandra lycopodioides.
- plicatifolia (Sagast. & Dillon) S.E. Freire in *Darwiniana*, 28(1-4): 411 (1987 publ. 1988): Belloa plicatifolia.
- santanica (Cabr.) S.E. Freire in *Darwiniana*, 27(1-4): 473 (1986): Gnaphalium santanicum.
- saxatilis V.M. Badillo in *Ernstia*, 50: 9 (1988)—Venezuela.

**LUDISIA** (Orchidac.).

- dawsoniana (Low. ex Reichenb. f.) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988): Anoectochilus dawsonianus.
- otletae (Rolf) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988): Haemaria otletae.

**LUDWIGIA** (Onagrac.).

- sect. Cinerascens T.P. Ramamoorthy & E.M. Zardini, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 101 (1987).
- albiflora T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 55 (1987)—Brazil.

**LUDWIGIA** :-

- dodecandra (DC.) E.M. Zardini & P.H. Raven in *Ann. Missouri Bot. Gard.*, 77(3): 596 (1990): Jussiaea dodecandra.
- filiformis (Micheli) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 86 (1987): Jussiaea filiformis.
- glandulosa subsp. brachycarpa (Torrey & Gray) C.I. Peng in *Ann. Missouri Bot. Gard.*, 73(2): 490 (1986): L. cylindrica β. brachycarpa.
- grandiflora (Michaux) W. Greuter & Burdet in *Willdenowia*, 16(2): 448 (1987): Jussiaea grandiflora.
- hassleriana (Chodat) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 60 (1987): Jussiaea hassleriana.
- irwinii T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 66 (1987), nom. nov.: Jussiaea lanceolata Camb.
- linifolia (Vahl) R.S. Rao, *Fl. Goa, Diu, Daman, Dadra & Nagarhaveli* (Fl. India, Ser. 2), 1: 179 (1985): Jussiaea linifolia.
- major (Micheli) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 84 (1987): Jussiaea longifolia var. major.
- martii (Micheli) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 64 (1987): Jussiaea martii.
- multinervia (Hook. & Arn.) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 40 (1987): Jussiaea multinervia.
- pseudonarcissus (Chodat & Hassler) T.P. Ramamoorthy, *Syst. & Evol. Ludwigia* sect. *Myrtocarpus* s.l. (*Monogr. Syst. Bot. Missouri Bot. Gard.* 19): 76 (1987): Jussiaea pseudo-narcissus.

**LUETZELBURGIA** (Legumin.).

- andrade-limae H.C. de Lima in *An. Soc. Bot. Brasil*, XXXIV Congr. Nac. Bot., 2: 191 (1984)—Brazil.

**LUISIA** (Orchidac.).

- zollingeri var. latipetala (J.J.S.) D. Sulistiarini in *Reinwardtia*, 10(4): 398 (1988): L. latipetala.

- ×**LUISTYLIS** hort. in *Orchid Rev.*, 94(1110): centre page pull-out p. 8 (1986). **ORCHIDACEAE.** (Luisia × Rhynchostylis).

**LUNDELLIANTHUS** (Compos.).

- belizeanus (B. Turner) J.L. Strother in *Syst. Bot.*, 14(4): 547 (1989): Lasiantha belizeana.
- breedlovei (B. Turner) J.L. Strother in *Syst. Bot.*, 14(4): 547 (1989): Lasiantha breedlovei.
- guatemalensis (J.D. Smith) J.L. Strother in *Syst. Bot.*, 14(4): 544 (1989): Zexmenia guatemalensis.
- harrimanii J.L. Strother in *Syst. Bot.*, 14(4): 545 (1989)—Nicaragua.
- jaliscensis (McVaugh) J.L. Strother in *Syst. Bot.*, 14(4): 544 (1989): Otopappus jaliscensis.
- kingii (H. Robinson) J.L. Strother in *Syst. Bot.*, 14(4): 545 (1989): Zexmenia kingii.
- salvinii (Hemsley) J.L. Strother in *Syst. Bot.*, 14(4): 545 (1989): Zexmenia salvinii.
- steyermarkii (S.F. Blake) J.L. Strother in *Syst. Bot.*, 14(4): 546 (1989): Oyedeia steyermarkii.

**LUPINASTER** (Legumin.).

- baicalensis (Belaeva & Sipl.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 717 (1990): Trifolium baicalense.
- gordejewii (Kom.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 717 (1990): Medicago gordejewii.
- litwinowii (Iljin) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 717 (1990): Trifolium litwinowii.
- pentaphyllum var. albiflorum (Ser.) E.G. Bobrov in *Fl. Evropejskoj Chasti SSSR*, 6: 209 (1987): Trifolium lupinaster var. albiflorum.
- popovii Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 717 (1990)—U.S.S.R. (Siberia).

**LUPINUS** (Legumin.).

## argenteus

- var. argentatus (Rydb.) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. decumbens var. argentatus.
- var. fulvomaculatus (Payson) R.C. Barneby in *Great Basin Nat.*, 46(2): 257 (1986): L. fulvomaculatus.
- var. heteranthus (S. Wats.) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. meionanthus var. heteranthus.
- var. hillii (Greene) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. hillii.
- var. holosericeus (Nutt. ex Torr. & Gray) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 245 (1989): L. holosericeus.
- var. meionanthus (A. Gray) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. meionanthus.
- var. moabensis S.L. Welsh in *Great Basin Nat.*, 46(2): 262 (1986)—U.S.A. (Utah).
- var. montigenus (A.A. Heller) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. montigenus.
- var. palmeri (Wats.) R.C. Barneby in *Great Basin Nat.*, 46(2): 257 (1986): L. palmeri.
- var. utahensis (S. Wats.) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 246 (1989): L. holosericeus var. utahensis.

## bracteolaris

- var. czermakii (Mich.) A. Burkart in *Fl. Illustr. Entre Ríos (Argent.)*, 3: 635 (1987): L. czermakii.

## densiflorus

- subsp. lacteus (Kellogg) R.M. Beauchamp in *Phytologia*, 59(7): 439 (1986): L. lacteus.

## excubitus

- subsp. austromontanus (Heller) R.M. Beauchamp in *Phytologia*, 59(7): 439 (1986): L. austromontanus.

- subsp. medius (Jepson) R.M. Beauchamp in *Phytologia*, 59(7): 439 (1986): L. albifrons var. medius.

## lepidus

- var. sellulus (Kellogg) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 256 (1989): L. sellulus.

- magnistipulatus A.M. Planchuelo & D.B. Dunn in *Ann. Missouri Bot. Gard.*, 76(1): 306 (1989)—Brazil.

## microcarpus

- var. glareosus (Elmer) R. Riggins in *Taxon*, 39(2): 340 (1990); see also *Taxon*, 39(3): 520 (1990): L. glareosus.

## polyphyllus

- var. ammophilus (Greene) R.C. Barneby in *Great Basin Nat.*, 46(2): 257 (1986): L. ammophilus.
- var. humicola (A. Nels.) R.C. Barneby in *Great Basin Nat.*, 46(2): 257 (1986): L. humicola.

- var. saxosus (Howell) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 240 (1989): L. saxosus.

- sétifolius A.M. Planchuelo & D.B. Dunn in *Ann. Missouri Bot. Gard.*, 76(1): 307 (1989)—Brazil.

## tegeticulatus

- var. duranii (Eastw.) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 260 (1989): L. duranii.

## tegeticulatus

- var. grandiflorus (C.P. Smith) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 260 (1989): L. breweri var. grandiflorus.

## westianus

- var. aridorum (McFarlin ex Beckner) D. Isely in *Brittonia*, 38(4): 356 (1986): L. aridorum.

**LUVUNGA** (Rutac.).

- minutiflora B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 221 (1985)—Borneo (Sabah).

**LUZIOLA** (Gramin.).

fluitans

var. *oconnorior* (Guzmán & Křisa) N.K. Kovtonyuk in *J. Arnold Arbor.*, 69(3): 272 (1988): *Hydrochloa carolinensis* var. *oconnorior*.

**LUZULA** (Juncac.).

subsect. *Alpinae* (Chrtěk & Křisa) N.K. Kovtonyuk in *Bot. Zhurn.*, 72(10): 1399 (1987): L. sect. *Alpinae*.

subsect. *Confusae* N.K. Kovtonyuk in *Bot. Zhurn.*, 72(10): 1399 (1987).

subsect. *Nivales* N.K. Kovtonyuk in *Bot. Zhurn.*, 72(10): 1399 (1987).

subsect. *Parviflorae* N.K. Kovtonyuk in *Bot. Zhurn.*, 72(10): 1398 (1987).

subsect. *Pilosae* V.S. Novikov in *Novosti Sist. Vyssh. Rast.*, 26: 31 (1989).

subsect. *Tundricolae* N.K. Kovtonyuk in *Bot. Zhurn.*, 72(10): 1399 (1987).

abchastica V.S. Novikov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(1): 111 (1989)—U.S.S.R. (Caucasus).

changica V.S. Novikov in *Novosti Sist. Vyssh. Rast.*, 26: 31 (1989)—Mongolia.

multiflora

var. *contracta* Samuelsson ex J.T. Kartesz & K.N. Gandhi in *Phytologia*, 69(3): 132 (1990), contrary to Art. 37.4 ICBN (1988)—Locality not stated.

pallidula J. Kirschner in *Taxon*, 39(1): 110 (1990)—Czechoslovakia.

spicata

subsp. *mongolica* V.S. Novikov in *Novosti Sist. Vyssh. Rast.*, 26: 34 (1989)—Mongolia.

**LYALLIA** (Hectorellac.).

caespitosa (J.D. Hooker) B.L. Nyananyo & V.H. Heywood in *Taxon*, 36(3): 641 (1987): *Hectorella caespitosa*.

**LYCASTE** (Orchidac.).

colombiana M. Ospina H. in *Mutisia*, 71: 10 (1988)—Colombia.

**LYCHNIS** (Caryophyllac.).

alpina

subsp. *americana* (Fern.) J. Feilberg in *Medd. Grønland, Biosci.*, 15: 12 (1984): *Viscaria alpina* var. *americana*.

var. *serpentinicola* (Rune) P. Kallio & Y. Mäkinen in *Ann. Univ. Turku, A, Biol. Geogr. Geol.*, 67: 63 (1982): *Viscaria alpina* var. *serpentinicola*.

apetala

var. *kingii* (Wats.) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): L. *kingii*.

coronata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 435 (1784)—Japan.†

**LYCIANTHES** (Solanac.).

acapulcensis (Baill.) W.G. D'Arcy in *Solanaceae Newsl.*, 2(4): 23 (1986), basionym page '133' in error for '338': *Parascopolia acapulcensis*.

neglecta (Dunal) A. Lourteig in *Phytologia*, 62(6): 442 (1987): *Solanum neglectum*.

speciosa (Dunal) A. Lourteig in *Phytologia*, 62(6): 442 (1987): *Solanum speciosum*.

**LYCIUM** (Solanac.).

athium L.M. Bernardello in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 330 (1986)—Argentina.

chilense

var. *comberi* (C. Hitchc.) L.M. Bernardello in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 313 (1986): L. *comberi*.

var. *filifolium* (Miers) L.M. Bernardello in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 314 (1986): L. *filifolium*.

var. *vergarae* (Phil.) L.M. Bernardello in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 320 (1986): L. *vergarae*.

× *ciliato-elongatum* L.M. Bernardello in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 339 (1986), formula invalid acc. to ICBN(1983) Art. H.10.3—Argentina. (L. *ciliatum* × *elongatum*).

grandicalyx A.M. Joubert & H.J.T. Venter in *S. Afr. J. Bot.*, 55(5): 516 (1989)—Namibia.

japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 228 (1784)—Japan.†

**LYCORIS** (Amaryllidac.).

radiata

f. *bicolor* N. Yonezawa in *J. Phytogeogr. Taxon.*, 37(2): 74 (1989)—Japan.

var. *kazukoana* N. Yonezawa in *J. Phytogeogr. Taxon.*, 37(2): 73 (1989)—Japan.

**LYGODESMIA** (Compos.).

grandiflora

var. *arizonica* (Tomb) S.L. Welsh in *Great Basin Nat.*, 43(2): 314 (1983): L. *arizonica*.

var. *dianthopsis* (D.C. Eaton) S.L. Welsh in *Great Basin Nat.*, 43(2): 314 (1983): L. *junceae* var. *dianthopsis*.

**LYMANIA** (Bromeliac.).

azurea E.M.C. Leme in *Bradea*, 4(50): 394 (1987)—Brazil.

globosa E.M.C. Leme in *Bradea*, 4(50): 395 (1987)—Brazil.

**LYONIA** (Ericac.).

lippoldii R. Berazain Iturralde & Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 8(2): 3 (1987)—Cuba.

ovalifolia

var. *tomentosa* (Fang) C.Y. Wu in *Fl. Xizangica*, 3: 689 (1986), without basionym ref.: *Pieris ovalifolia* var. *tomentosa*.

var. *tomentosa* (Fang) C.Y. Wu ex R.Z. Fang, T.L. Ming, T.Z. Hsu & S.H. Huang in *Fl. Yunnanica*, 4: 567 (1986): *Pieris ovalifolia* var. *tomentosa*.

truncata

var. *proctorii* W.S. Judd in *J. Arnold Arbor.*, 71(1): 129 (1990)—Puerto Rico.

**LYSILOMA** (Legumin.).

latisiliquum

subsp. *lataefoliolatum* A. Barreto Valdés & G.P. Yakovlev in *Acta Bot. Cubana*, 41: 6 (1987)—Cuba.

**LYSIMACHIA** (Primulac.).

angusta H. St. John in *Phytologia*, 64(1): 43 (1987)—Hawaiian Is.

arta H. St. John in *Phytologia*, 64(1): 43 (1987)—Hawaiian Is.

attenuata H. St. John in *Phytologia*, 64(1): 43 (1987)—Hawaiian Is.

baoxingensis (Chen & C.M. Hu) C.M. Hu in *Acta Bot. Austro Sinica*, 2: 200 (1986): L. *pterantha* var. *baoxingensis*.

breviflora C.M. Hu in *Acta Bot. Austro Sinica*, 2: 201 (1986)—China.

caliginis H. St. John in *Phytologia*, 64(1): 43 (1987)—Hawaiian Is.

ciliolata H. St. John in *Phytologia*, 64(1): 43 (1987)—Hawaiian Is.

elliptica H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

fauriei H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

fayi H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

funkiae H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

furcata H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

glauca H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

hanapepeensis H. St. John in *Phytologia*, 64(1): 44 (1987)—Hawaiian Is.

harrisoniae H. St. John in *Phytologia*, 64(1): 45 (1987), as 'harrisonae'—Hawaiian Is.

haupuensis H. St. John in *Phytologia*, 64(1): 45 (1987)—Hawaiian Is.

helleri (R. Knuth) H. St. John in *Phytologia*, 64(1): 45 (1987): L. *hillebrandii* var. *helleri*.

japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 196 (1784)—Japan.†

var. *formosana* (Honda) S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4; *Colour. Illustr. Herbar. Pl. Taiwan*, Vol. 1: 152 (1980): L. *formosana*.

jiangxiensis C.M. Hu in *Acta Bot. Austro Sinica*, 2: 200 (1986)—China.

kahiliensis H. St. John in *Phytologia*, 64(1): 45 (1987)—Hawaiian Is.

kalaupapaensis H. St. John in *Phytologia*, 64(1): 45 (1987)—Hawaiian Is.

**LYSIMACHIA** :-

kukuiensis H. St. John in *Phytologia*, 64(1): 45 (1987)—Hawaiian Is.

lamiatilis H. St. John in *Phytologia*, 64(1): 46 (1987)—Hawaiian Is.

lata H. St. John in *Phytologia*, 64(1): 46 (1987)—Hawaiian Is.

longa H. St. John in *Phytologia*, 64(1): 46 (1987)—Hawaiian Is.

macdanielsii H. St. John in *Phytologia*, 64(1): 46 (1987)—Hawaiian Is.

mannii H. St. John in *Phytologia*, 64(1): 46 (1987)—Hawaiian Is.

mauritanica

var. *taiwaniana* S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4; *Colour. Illustr. Herbar. Pl. Taiwan*, Vol. 1: 155 (1980)—Taiwan.

maxima (R. Knuth) H. St. John in *Phytologia*, 64(1): 47 (1987): L. *hillebrandii* var. *maxima*.

molokaiensis H. St. John in *Phytologia*, 64(1): 47 (1987)—Hawaiian Is.

mucronata H. St. John in *Phytologia*, 64(1): 46 (1987), homonym see p. 47—Hawaiian Is.

mucronata H. St. John in *Phytologia*, 64(1): 47 (1987), homonym see p. 46—Hawaiian Is.

munroi H. St. John in *Phytologia*, 64(1): 47 (1987)—Hawaiian Is.

occidentalis H. St. John in *Phytologia*, 64(1): 47 (1987)—Hawaiian Is.

olokeleensis H. St. John in *Phytologia*, 64(1): 47 (1987)—Hawaiian Is.

ovoidea H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

patungensis

f. *glabrifolia* C.M. Hu in *Acta Bot. Austro Sinica*, 2: 200 (1986)—China.

pedicellata H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

pentophylla H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

pilosula H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

rockii H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

rubrimaculata H. St. John in *Phytologia*, 64(1): 48 (1987)—Hawaiian Is.

rufa H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

russii H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

saurauifolia S.S. Ying in *Quart. J. Chinese Forest.*, 20(4): 123 (1987)—Taiwan.

scansoria H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

scapiflora C.M. Hu, Z.R. Xu & F.P. Chen in *Acta Phytotax. Sin.*, 26(4): 306 (1988)—China.

sikokiana

subsp. *petelotii* (Merr.) C.M. Hu in *Acta Bot. Austro Sinica*, 2: 199 (1986): L. *petelotii*.

stene H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

stenophylla H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

subherbacea (Hillebr.) H. St. John in *Phytologia*, 64(1): 49 (1987): L. *hillebrandii* var. *subherbacea*.

ternifolia H. St. John in *Phytologia*, 64(1): 49 (1987)—Hawaiian Is.

venosa (Wawra) H. St. John in *Phytologia*, 64(1): 50 (1987): L. *hillebrandii* var. *venosa*.

violascens

var. *robusta* (C.Y. Wu) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(1): 123 (1989): L. *lichiangensis* var. *robusta*.

var. *xerophila* (C.Y. Wu) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(1): 123 (1989): L. *lichiangensis* var. *xerophila*.

vulgaris

f. *koreana* W.T. Lee in *Korean J. Pl. Taxon.*, 18(3): 197 (1988), without latin descr. or type—Korea.

waiaholeensis H. St. John in *Phytologia*, 64(1): 50 (1987)—Hawaiian Is.

waianaeensis H. St. John in *Phytologia*, 64(1): 50 (1987)—Hawaiian Is.

waiehuensis H. St. John in *Phytologia*, 64(1): 50 (1987)—Hawaiian Is.

waikoluensis H. St. John in *Phytologia*, 64(1): 50 (1987)—Hawaiian Is.



**LYSIMACHIA** :-

websteri *H. St. John in Phytologia*, 64(1): 50 (1987)—Hawaiian Is.

**LYSIONOTUS** (Gesneriac.).

sangzhiensis *W.T. Wang in Guihaia*, 6(3): 164 (1986)—China.

**LYTHRUM** (Lythrac.).

castiliae *W. Greuter & Burdet in Willdenowia*, 19(1): 35 (1989)—Spain.  
wilsonii *H.J. Hewson in Fl. Australia*, 18: 322, 104 (1990)—Australia (New South Wales, N. Terr., Queensland, S. Australia).

**M****MAACKIA** (Legumin.).

hwashanensis *W.T. Wang ex C.W. Chang in Fl. Tsinlingensis*, 1(3): 444, 17 (1981)—China.  
taiwanensis *H. Hoshi & H. Ohashi in J. Jap. Bot.*, 62(4): 98 (1987)—Taiwan.

**MABEA** (Euphorbiac.).

angularis *G. den Hollander in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 147 (1986)—Brazil, Guyana.  
fistulifera  
subsp. robusta *M. Emmerich in Bradea*, 4(47): 370 (1987)—Brazil, Bolivia.  
jefensis *M.J. Huft in Phytologia*, 62(4): 341 (1987)—Panama.  
montana  
subsp. biglandulosa (*Müller-Argoviensis*) *G. den Hollander in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 149 (1986): *M. biglandulosa*.  
subsp. lucida (*Pax & Hoffmann*) *G. den Hollander in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 150 (1986): *M. lucida*.  
setulosa (*Müller-Argoviensis*) *G. den Hollander in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 153 (1986): *M. occidentalis* var. *setulosa*.  
speciosa  
subsp. concolor (*Müller-Argoviensis*) *G. den Hollander in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(2): 154 (1986): *M. piriri* var. *concolor*.

**MABRYA** *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 57 (1985). **SCROPHULARIACEAE**.

acerifolia (*Pennell*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 58 (1985): *Maurandya acerifolia*.  
coccinea (*I.M. Johnston*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 63 (1985): *Maurandya coccinea*.  
erecta (*Hemsley*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 65 (1985): *Maurandya erecta*.  
flaviflora (*I.M. Johnston*) *D.A. Sutton, Revis. tribe Antirrhineae*: 491 (1988): *Maurandya flaviflora*.  
geniculata (*Robinson & Fernald*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 60 (1985): *Maurandya geniculata*.  
subsp. flaviflora (*I.M. Johnston*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 62 (1985): *Maurandya flaviflora*.  
subsp. lanata *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 63 (1985)—Mexico.  
rosei (*Munz*) *W.J. Elisens*, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monog., 5): 64 (1985): *Maurandya rosei*.

**MACAIREA** (Melastomatac.).

cuieirasii *S.S. Renner in Mem. New York Bot. Gard.*, 50: 82 (1989)—Brazil.  
philipsonii *S.S. Renner in Mem. New York Bot. Gard.*, 50: 90 (1989)—Colombia.

**MACARANGA** (Euphorbiac.).

capensis  
var. kilimandscharica (*Pax*) *I. Friis & M.G. Gilbert in Kew Bull.*, 41(1): 68 (1986): *M. kilimandscharica*.

**MACHAERANTHERA** (Compos.).

sect. Arida *R.L. Hartman in Phytologia*, 68(6): 446 (1990).  
sect. Blepharodon (*DC.*) *R.L. Hartman in Phytologia*, 68(6): 443 (1990): *Haplopappus* sect. *Blepharodon*.  
sect. Havardii (*R. Jackson*) *R.L. Hartman in Phytologia*, 68(6): 458 (1990): *Haplopappus* sect. *Havardii*.  
subgen. Sideranthus (*Nutt. ex Nees*) *R.L. Hartman in Phytologia*, 68(6): 456 (1990): gen. *Sideranthus*.  
sect. Sideranthus (*Nutt. ex Nees*) *R.L. Hartman in Phytologia*, 68(6): 456 (1990): gen. *Sideranthus*.  
sect. Stenoloba *R.L. Hartman in Phytologia*, 68(6): 459 (1990).  
asteroides  
var. glandulosa *B.L. Turner in Phytologia*, 60(1): 77 (1986)—U.S.A. (Arizona).  
var. lagunensis (*Keck*) *B.L. Turner in Phytologia*, 60(1): 77 (1986): *M. lagunensis*.  
bigelovii  
var. commixta (*Greene*) *B.L. Turner in Phytologia*, 60(1): 77 (1986): *M. commixta*.  
var. mucronata (*Greene*) *B.L. Turner in Phytologia*, 62(3): 238 (1987): *M. mucronata*.

## canescens

var. ambigua *B.L. Turner in Phytologia*, 60(1): 77 (1986)—U.S.A. (Arizona).  
var. aristata (*Eastwood*) *B.L. Turner in Phytologia*, 60(1): 78 (1986): *Aster canescens* var. *aristatus*.  
var. commixta (*Greene*) *S.L. Welsh in Great Basin Nat.*, 43(2): 316 (1983): *M. commixta*.  
subsp. glabra (*A. Gray*) *B.L. Turner in Phytologia*, 62(3): 239 (1987): *M. canescens* var. *glabra*.  
var. latifolia (*A. Nels.*) *S.L. Welsh in S.L. Welsh et al., Utah Fl. (Great Basin Nat. Mem. 9)*: 213 (1987): *M. latifolia*.  
var. leucanthemifolia (*Greene*) *S.L. Welsh in Great Basin Nat.*, 43(2): 316 (1983): *Aster leucanthemifolius*.  
var. nebraskana *B.L. Turner in Phytologia*, 60(1): 78 (1986)—U.S.A. (Nebraska).  
var. sessiliflora (*Nutt.*) *B.L. Turner in Phytologia*, 60(1): 78 (1986): *Dieteria sessiliflora*.  
var. shastensis (*A. Gray*) *B.L. Turner in Phytologia*, 60(1): 79 (1986): *M. shastensis*.  
var. vacans (*A. Nels.*) *S.L. Welsh in Great Basin Nat.*, 43(2): 316 (1983): *M. pulverulenta* var. *vacans*.  
var. zieglerei (*Munz*) *B.L. Turner in Phytologia*, 60(1): 79 (1986): *M. canescens* subsp. *zieglerei*.  
carnosa (*A. Gray*) *G.L. Nesom in Phytologia*, 67(6): 439 (1989): *Linosyris carnosa*.

## coloradoensis

var. brandegei (*Rydb.*) *T.J. Watson ex R.L. Hartman in Phytologia*, 68(6): 444 (1990): *Xylorhiza brandegei*.  
coulteri  
var. arida (*Turner & Horne*) *B.L. Turner in Phytologia*, 61(3): 144 (1986): *M. arida*.  
gypsitherma *G.L. Nesom in Syst. Bot.*, 15(4): 638 (1990), nom. nov.: *Aster blepharophyllus* *A. Gray*.  
heterocarpa *R.L. Hartman & M.A. Lane in Brittonia*, 39(2): 253 (1987)—U.S.A. (Texas).  
heterophylla *R.L. Hartman in Phytologia*, 68(6): 445 (1990), nom. nov.: *Haplopappus rhizomatus* *M. Johnston*.  
incisifolia (*I.M. Johnston*) *G.L. Nesom in Phytologia*, 69(2): 112 (1990): *Aplopappus arenarius* var. *incisifolius*.  
viscida (*Wootton & Standley*) *R.L. Hartman in Phytologia*, 68(6): 459 (1990): *Sideranthus viscidus*.  
wigginsii (*S.F. Blake*) *R.L. Hartman in Phytologia*, 68(6): 458 (1990): *Haplopappus wigginsii*.

**MACHAERIUM** (Legumin.).

nicaraguense *V.E. Rudd in Phytologia*, 60(2): 93 (1986)—Nicaragua, Honduras.

**MACHILUS** (Laurac.).

glaucescens (*Nees*) *H.W. Li in Acta Bot. Yunnanica*, 10(4): 490 (1988): *Ocotea glaucescens*.

**MACHILUS** :-

mangdangshanensis *Q.F. Zhang in Fl. Fujianica*, 2: 393 (1985)—China.  
miaoshanensis *F.N. Wei & C.Q. Lin in Guihaia*, 8(4): 305 (1988)—China.  
reticulata *S. Lee & F.N. Wei in Guihaia*, 8(4): 306 (1988)—China.

**MACLURA** (Morac.).

sect. Plecospermum (*Trécul*) *C.C. Berg in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 245 (1986): gen. *Plecospermum*.  
andamanica (*J.D. Hooker*) *C.C. Berg in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 245 (1986): *Plecospermum andamanicum*.  
cochinchinensis  
var. gerontogea (*Sieb. & Zucc.*) *S.S. Ying, Colour. Illustr. Pl. Taiwan, Pt. 3; Colour. Illustr. Ligneous Pl. Taiwan*, 1: 382 (1987): *M. gerontogea*.  
plumiera *G. Don f. in Loud., Hort. Brit.*: 380 (1830); cf. *D.J. Mabberley in Taxon*, 30(1): 16 (1981)—Locality not stated.  
spinosa (*Willdenow*) *C.C. Berg in Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 245 (1986): *Trophis spinosa*.

**MACROBRIZA** (Tzvel.) *N.N. Tsvelev in Komarov. Chten.*, 37: 32 (1987): *Briza* sect. *Macrobriza* (Gramin.).**MACROCENTRUM** (Melastomatac.).

chimantense *J.J. Wurdack in Mem. New York Bot. Gard.*, 51: 103 (1989)—Venezuela.

**MACROCHORDION** (Bromeliac.).

alba (*Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea alba*.  
chlorophylla (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea chlorophylla*.  
kautskyana (*E. Pereira & L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea kautskyana*.  
lamarchei (*Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea lamarchei*.  
maculata (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea maculata*.  
nervata (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea nervata*.  
pabstii (*E. Pereira & Moutinho*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea pabstii*.  
triangularis (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea triangularis*.  
turbinalcalyx (*Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989): *Aechmea turbinalcalyx*.

**MACROCLINIUM** (Orchidac.).

aurorae *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 1: t. 97 (1989)—Peru.  
borjaense *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 514 (1989)—Ecuador.  
chasei *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 1: t. 98 (1989)—Peru, Bolivia.  
glicensteinii *J.T. Atwood in Selbyana*, 10(1): 60 (1987 publ. 1988)—Costa Rica.  
lueri *C.H. Dodson & R. Vásquez Ch. in Ic. Pl. Trop.*, Ser. 2, 3: t. 247 (1989)—Bolivia.

**MACROLOBIUM** (Legumin.).

herrerae *J.L. Zarucchi in Ann. Missouri Bot. Gard.*, 77(1): 209 (1990)—Costa Rica, Honduras.

**MACROMERIA** (Boraginac.).

alba *G.L. Nesom in Madroño*, 36(1): 28 (1989)—Mexico.

**MACROPANAX** (Araliac.).

meghalayensis *K. Haridasan & R.R. Rao, Forest Fl. Meghalaya*: 434 (1985)—India.

**MACROPHARYNX** (Apocynac.).

meyeri (*Ezcurra*) *C.C. Xifreda in Kurtziana*, 17: 164 (1984): *Temnadenia meyeri*.

**MACROPODANTHUS** (Orchidac.).

- alatus (Holtz.) G. Seidenfaden & Garay in *Op. Bot.*, 95: 261 (1988): *Sarcocochilus alatus*.  
 berkeleyi (Rchb. f.) G. Seidenfaden & Garay in *Op. Bot.*, 95: 261 (1988): *Thrixspermum berkeleyi*.  
 tridentatus G. Seidenfaden in *Op. Bot.*, 95: 265 (1988)—Malaya.

**MACROPODIELLA** (Podostemac.).

- pellucida (Engler) C. Cusset in *Fl. Cameroun*, 30: 64 (1987): *Inversodicraea pellucida*.

**MACROPTILIUM** (Legumin.).

- sect. Microcochle (Benth.) V.P. Barbosa-Fereiro in *Arq. Jard. Bot. Rio de Janeiro*, 28: 144 (1986–87 publ. 1988): *Phaseolus* sect. *Microcochle*.  
 geophilum (Burk.) D.G. Debouck, F. Juárez & S. Pérez in *Kurtziana*, 18: 155 (1986): *Phaseolus geophilus*.  
 prostratum  
   *var. arenarium* N.M. Bacigalupo in *Fl. Ilustr. Entre Ríos (Argent.)*, 3: 733 (1987)—Argentina.  
 sabaraense (Hoehe) V.P. Barbosa-Fereiro in *Arq. Jard. Bot. Rio de Janeiro*, 28: 150 (1986–87 publ. 1988): *Phaseolus sabaraensis*.

**MACROSCIADIUM** V.N. Tikhomirov & T.V. Lavrova in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(6): 63 (1988). **UMBELLIFERAE**.

- alatum (Bieb.) V.N. Tikhomirov & T.V. Lavrova in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(6): 63 (1988): *Athamanta alata*.  
 physospermifolium (Albov) V.N. Tikhomirov & T.V. Lavrova in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(6): 64 (1988): *Ligusticum physospermifolium*.

**MACROSEPALUM** (Crassulac.).

- aetnense (Tineo) A.V. Palanov in *Bot. Zhurn.*, 73(6): 890 (1988): *Sedum aetnense*.  
 tetramerum (Trautv.) A.V. Palanov in *Bot. Zhurn.*, 73(6): 890 (1988): *Sedum tetramerum*.

**MAERUA** (Capparac.).

- mungaii H.J. Beentje in *Kew Bull.*, 44(4): 744 (1989)—Kenya.  
 rigida R. Brown in D. Denham & H. Clapperton, *Narr. Travels Africa, Appendix*: 226 (1826); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 64 (1980)—N. Africa.  
 senegalensis R. Brown in D. Denham & H. Clapperton, *Narr. Travels Africa, Appendix*: 227 (1826); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 64 (1980)—W. Africa.

**MAESA** (Myrsinac.).

- andamanica  
   *var. longipedicellata* M.P. Nayar & G.S. Giri in *Bull. Bot. Surv. India*, 27(1–4): 263 (1985 publ. 1987)—Andaman Is.  
 arunachalensis G.S. Giri, S.K. Das & M.P. Nayar in *J. Jap. Bot.*, 65(1): 21 (1990)—India.  
 calcarea H. Sleumer in *Blumea*, 32(1): 48 (1987)—New Guinea (W. Irian).  
 corneri H. Sleumer in *Blumea*, 32(1): 55 (1987)—Bougainville Is.  
 hooglandii H. Sleumer in *Blumea*, 32(1): 45 (1987)—New Guinea (Papua New Guinea).  
 lineolata H. Sleumer in *Blumea*, 32(1): 54 (1987)—New Guinea (W. Irian).  
 loloruensis H. Sleumer in *Blumea*, 32(1): 46 (1987)—Bougainville Is.  
 procera B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 309 (1989)—Borneo (Sabah).  
 regia H. Sleumer in *Blumea*, 32(1): 56 (1987)—British Solomon Is.  
 rheophytica H. Sleumer in *Blumea*, 32(1): 47 (1987)—New Guinea (W. Irian).  
 sayersii H. Sleumer in *Blumea*, 32(1): 60 (1987)—New Britain, Admiralty Is., New Hanover, New Ireland.  
 spectabilis H. Sleumer in *Blumea*, 32(1): 58 (1987)—New Guinea (Papua New Guinea, W. Irian).

**MAEVIELLA** R.A. Rossow in *Arq. Jard. Bot. Rio de Janeiro*, 27: 172 (1983–85 publ. 1985). **SCROPHULARIACEAE**.

- cochlearia (Huber) R.A. Rossow in *Arq. Jard. Bot. Rio de Janeiro*, 27: 173 (1983–85 publ. 1985): *Herpestis cochlearia*.

**MAGNOLIA** (Magnoliac.).

- andamanica (King) D.C.S. Raju & M.P. Nayar in *Indian J. Bot.*, 3(2): 171 (1980): *Talauma andamanica*.  
 ashtonii Dandy ex H.P. Nootboom in *Blumea*, 32(2): 363 (1987)—Borneo (Brunei, Sarawak, Sabah, Kalimantan), Sumatra.  
 bintuluensis (Agostini) H.P. Nootboom in *Blumea*, 32(2): 362 (1987): *Talauma bintuluensis*.  
 borneensis H.P. Nootboom in *Blumea*, 32(2): 366 (1987)—Borneo (Kalimantan, Sabah, Sarawak), Philippine Is.  
 candollei (Blume) H.P. Nootboom in *Blumea*, 32(2): 369 (1987): *Talauma candollei*.  
   *var. angatensis* (Blanco) H.P. Nootboom in *Blumea*, 32(2): 375 (1987): *M. angatensis*.  
   *var. beccarii* (Ridley) H.P. Nootboom in *Blumea*, 32(2): 375 (1987): *Talauma beccarii*.  
   *var. obovata* (Korth.) H.P. Nootboom in *Blumea*, 32(2): 374 (1987): *Talauma obovata*.  
   *var. singapurensis* (Ridley) H.P. Nootboom in *Blumea*, 32(2): 376 (1987): *Talauma singapurensis*.  
 carsonii Dandy ex H.P. Nootboom in *Blumea*, 32(2): 348 (1987)—Borneo (Sabah).  
   *var. drymifolia* H.P. Nootboom in *Blumea*, 32(2): 351 (1987)—Borneo (Kalimantan, Sarawak, Sabah).  
 caveana (Hook. f. & Thoms.) D.C.S. Raju & M.P. Nayar in *Indian J. Bot.*, 3(2): 171 (1980): *Manglietia caveana*.  
 gigantifolia (Miq.) H.P. Nootboom in *Blumea*, 32(2): 377 (1987): *Talauma gigantifolia*.  
 hookeri (Cubitt & Smith) D.C.S. Raju & M.P. Nayar in *Indian J. Bot.*, 3(2): 171 (1980): *Manglietia hookeri*.  
 lasia H.P. Nootboom in *Blumea*, 32(2): 377 (1987)—Borneo (Kalimantan, Sarawak, Sabah).  
 macklottii  
   *var. beccariana* (Agostini) H.P. Nootboom in *Blumea*, 32(2): 348, 347 (1987): *Michelia beccariana*.  
 macrophylla  
   *var. ashei* (Weath.) D.L. Johnson in *Baileya*, 23(1): 55 (1989): *M. ashei*.  
   *var. dealbata* (Zucc.) D.L. Johnson in *Baileya*, 23(1): 56 (1989): *M. dealbata*.  
 mariusjacobia H.P. Nootboom in *Blumea*, 32(2): 381 (1987)—Borneo (Sarawak).  
 odoratissima Y.W. Law & R.Z. Zhou in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 139 (1986)—China.  
 officinalis  
   *var. pubescens* C.Y. Deng in *J. Nanjing Inst. Forest.*, 1986(1): 145 (1986)—China.  
 pahangensis H.P. Nootboom in *Blumea*, 32(2): 367 (1987)—Malaya.  
 persuavcolens  
   *var. pubescens* H.P. Nootboom in *Blumea*, 32(2): 379 (1987)—Borneo (Sabah).  
   *subsp. rigida* H.P. Nootboom in *Blumea*, 32(2): 379 (1987)—Borneo (Sabah).  
   *var. rigida* H.P. Nootboom in *Blumea*, 32(2): 379 (1987)—Borneo (Sabah).  
 phanerophlebia B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 107 (1988)—China.  
 phaulanta Dandy ex H.P. Nootboom in *Blumea*, 32(2): 359 (1987)—Celebes.  
 rabaniana (Hook. f. & Thoms.) D.C.S. Raju & M.P. Nayar in *Indian J. Bot.*, 3(2): 171 (1980): *Talauma rabaniana*.  
 sarawakensis (Agostini) H.P. Nootboom in *Blumea*, 32(2): 380 (1987): *Talauma sarawakensis*.  
 sinostellata P.L. Chiu & Z.H. Chen in *Acta Phytotax. Sin.*, 27(1): 79 (1989)—China.  
 uvarifolia (Rolle) D.C.S. Raju & M.P. Nayar in *Indian J. Bot.*, 3(2): 171 (1980): *Talauma villariana*.

**MAHONIA** (Berberidac.).

- bracteolata  
   *var. zhongdianensis* S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 154 (1987)—China.  
 caelicolour S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 150 (1987)—China.

**MAHONIA** :-

- lomariifolia  
   *var. estylis* C.Y. Wu ex S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 154 (1987)—China.  
 paucijuga C.Y. Wu ex S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 151 (1987)—China.  
 repens (Lindl.) G. Don f. in *Loud., Hort. Brit.*: 476 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): *Basionym* not stated.  
 reticulinnervia C.Y. Wu ex S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 153 (1987)—China.  
 russellii N.P. Taylor in *Kew Mag.*, 6(2): 58 (1989)—Mexico.

**MAIANTHEMUM** (Convallariac.).

- amoenum (H.L. Wendl.) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina amoena*.  
 amplexicaule (Nuttall) W.A. Weber in *Phytologia*, 62(5): 437 (1987): *Smilacina amplexicaulis*.  
 atropurpureum (Franchet) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Tovaria atropurpurea*.  
 dahuricum (Fisch. & Mey.) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina dahurica*.  
 flexuosum (Bertol.) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina flexuosa*.  
 formosanum (Hayata) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina formosana*.  
 forrestii (W.W. Smith) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986), *basionym* as '*Smilacina forestii*': *Tovaria forrestii*.  
 fuscum (Wall.) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina fusca*.  
 gigas (Woodson) J.V. LaFrankie in *J. Arnold Arbor.*, 67(4): 402 (1986): *Smilacina gigas*.  
   *var. crassipes* (Standley & Steyererm.) J.V. LaFrankie in *J. Arnold Arbor.*, 67(4): 404 (1986): *Smilacina crassipes*.  
 henryi (Baker) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Oligobotrya henryi*.  
 hondoense (Ohwi) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina hondoensis*.  
 japonicum (A. Gray) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina japonica*.  
 lichiangense (W.W. Smith) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986), *basionym* as '*Smilacina lichiangensis*': *Tovaria lichiangensis*.  
 macrophyllum (Martens & Galeotti) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina macrophylla*.  
 monteverdense J.V. LaFrankie in *J. Arnold Arbor.*, 67(4): 409 (1986)—Costa Rica, Nicaragua.  
 nanchuanense H. Li & J.L. Huang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 51 (1990)—China.  
 oleraceum (Baker) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Tovaria oleracea*.  
 paludicolum J.V. LaFrankie in *Amer. J. Bot.*, 73(9): 1258 (1986)—Costa Rica.  
 paniculatum (Martens & Galeotti) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina paniculata*.  
 purpureum (Wall.) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Smilacina purpureum*.  
 racemosum  
   *subsp. amplexicaule* (Nutt.) J.V. LaFrankie in *J. Arnold Arbor.*, 67(4): 418 (1986): *Smilacina amplexicaulis*.  
 robustum (Makino & Honda) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Smilacina robusta*.  
 salvinii (Baker) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Tovaria salvinii*.  
 scilloideum (Martens & Galeotti) J.V. LaFrankie in *Taxon*, 35(3): 588 (1986): *Smilacina scilloidea*.  
 septifolium J.V. LaFrankie in *J. Arnold Arbor.*, 67(4): 427 (1986)—Mexico.  
 tatsiense (Franchet) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Tovaria tatsiense*.  
 tubiferum (Batalin) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Smilacina tubifera*.  
 yesoense (Franchet & Savatier) J.V. LaFrankie in *Taxon*, 35(3): 589 (1986): *Tovaria yesoensis*.

×**MAILAMAIARA** hort. in *Orchid Rev.*, 94(1109): centre page pull-out p. 8 (1986). **ORCHIDACEAE**.  
 (Cattleya × Diacrium × Laelia × Schomburgkia).

**MAJORANA** (Labiata).

smyrnacea (L.) T. Nees, *Pl. Offic. Suppl. I*, (?1831) et Nees & Eberm., *Handb. Med. Bot.*, 2: 572 (1831); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**MALACCOMISTRICHA** C. Cusset & G. Cusset in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 10(2): 174 (1988). **PODOSTEMACEAE**.

malayana (Dransfield & Whitmore) C. Cusset & G. Cusset in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 10(2): 174 (1988): Indotristicha malayana.

**MALAISIA** (Morac.).

scandens  
subsp. megacarpa P.S. Green in *J. Arnold Arbor.*, 67(1): 113 (1986)—Lord Howe Is.

**MALAXIS** (Orchidac.).

sect. *Oistochilus* (Schlechter) P.J. Kores in *Allertonia*, 5(1): 46 (1989): *Microstylis* sect. *Oistochilus*.  
apiculata D.D. Dod in *Moscovia*, 4: 174 (1986)—Hispaniola (Dominican Republic).  
calcareo (Schltr.) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1–2): 142 (1987): *Microstylis* calcarea.  
dalessandroi C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 6: t. 519 (1989)—Ecuador.  
dalstroemii C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, t. 520 (1989)—Ecuador.  
greenwoodiana G.A. Salazar Chavez & M.A. Soto Arenas in *Acta Bot. Mex.*, 10: 46 (1990)—Mexico.  
hagsateri G.A. Salazar Chavez in *Orquidea (México)*, 12(1): 82 (1990)—Mexico.  
kerstingiana (Schltr.) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1–2): 143 (1987): *Microstylis* kerstingiana.  
lloensis (Schltr.) C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 6: t. 523 (1989): *Microstylis* lloensis.  
megalantha D.D. Dod in *Moscovia*, 4: 176 (1986)—Hispaniola (Haiti).  
punctata J.J. Wood in *Kew Mag.*, 4(2): 76 (1987)—Borneo (Sabah).  
reineckeana (Kraenzl.) P.J. Kores in *Allertonia*, 5(1): 51 (1989): *Microstylis* reineckeana.  
salazarii P.M. Catling in *Orquidea (México)*, 12(1): 98 (1990)—Mexico, Salvador, Guatemala.  
shuicae S.S. Ying in *J. Jap. Bot.*, 62(3): 70 (1987), as 'shuicai'—Taiwan.  
sichuanica Tang & Wang ex S.C. Chen in *Acta Phytotax. Sin.*, 26(3): 239 (1988)—China.  
sodiroid (Schltr.) C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 6: t. 526 (1989): *Microstylis* sodiroid.  
steinii C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 6: t. 527 (1989)—Ecuador.  
tetraloba (Schlechter) P.J. Kores in *Allertonia*, 5(1): 50 (1989): *Microstylis* tetraloba.  
topoensis (Mansf.) C.H. Dodson in *IC. Pl. Trop.*, Ser. 2, 6: t. 528 (1989): *Microstylis* topoensis.  
trukensis (Fukuyama) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1–2): 143 (1987): *Microstylis* trukensis.  
volkensii (Schltr.) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1–2): 143 (1987): *Microstylis* volkensii.  
whitmeei (Rolfe) P.J. Kores in *Allertonia*, 5(1): 52 (1989): *Microstylis* whitmeei.

**MALLEA** A. Jussieu in Mirb. & Cass. apud Guill. in Bull. Sci. Nat. Geol., 23: 236 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELIACEAE**.**MALLEASTRUM** (Meliac.).

letouzeyanum J.F. Leroy in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(4): 397 (1989 publ. 1990)—Madagascar.  
perrieri J.F. Leroy in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(4): 398 (1989 publ. 1990)—Madagascar.  
rakotozafyi M. Cheek in *Kew Bull.*, 45(4): 717 (1990)—Madagascar.  
sambiranense J.F. Leroy in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(4): 401 (1989 publ. 1990)—Madagascar.

**MALLOTUS** (Euphorbiac.).

chuyenii N.N. Thin in *J. Biol. (Vietnam)*, 9(2): 38 (1987)—Vietnam.  
oreophilus  
subsp. latifolius D.E. Boufford & T.S. Ying in *J. Arnold Arbor.*, 71(4): 575 (1990)—China.  
resinosus  
var. subramanyamii (Ellis) T. Chakrabarty in *J. Econ. Taxon. Bot.*, 6(3): 704 (1985): M. subramanyamii.  
subramanyamii J.L. Ellis in Bull. Bot. Surv. India, 25(1–4): 199 (1983 publ. 1985)—India.

**MALMEA** (Annonac.).

anomala (R.E. Fries) P.J.M. Maas in Proc. Kon. Nederl. Akad. Wetensch., C, 89(3): 260 (1986): *Crematosperma* anomalum.

**MALOPE** (Malvac.).

malacoides  
subsp. asterotricha (Pomel) Quézel & Santa ex W. Greuter & Burdet in *Willdenowia*, 16(2): 447 (1987): M. asterotricha.  
subsp. laevigata (Pomel) Quézel & Santa ex W. Greuter & Burdet in *Willdenowia*, 16(2): 448 (1987): M. laevigata.

**MALOUETIA** (Apocynac.).

bubalina M.E. Endress in Ann. Missouri Bot. Gard., 76(5): 1141 (1989)—Colombia.  
molongo M.E. Endress in Ann. Missouri Bot. Gard., 76(4): 1143 (1989)—Venezuela.  
naias M.E. Endress in Ann. Missouri Bot. Gard., 76(4): 1143 (1989)—Colombia, Venezuela, Peru.  
pubescens  
var. glabra M.E. Endress in Ann. Missouri Bot. Gard., 76(4): 1146 (1989)—Venezuela, Colombia.

**MALPIGHIA** (Malpighiac.).

emiliae W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 90 (1987)—Mexico.  
novogaliciana W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 92 (1987)—Mexico.  
pusillifolia (Ekman & Niedenzu) F.K. Meyer in Wiss. Zeitschr. Friedrich-Schiller-Univ. Jena, Mat. Naturwiss., 38(2): 295 (1989): M. nummulariifolia var. pusillifolia.  
rzedowskii W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 95 (1987)—Mexico.  
stevensii W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 97 (1987)—Nicaragua, Costa Rica.  
verruculosa W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 99 (1987)—Nicaragua, Honduras, Costa Rica.  
wendtii W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 100 (1987)—Mexico, Guatemala.  
wilburiorum W.R. Anderson in Contrib. Univ. Mich. Herb., 16: 103 (1987)—Mexico.

**MALUS** (Rosac.).

angustifolia  
var. spinosa (Rehd.) C.F. Reed in *Phytologia*, 63(5): 410 (1987): M. ioensis var. spinosa.  
coronaria  
var. lancifolia (Rehd.) C.F. Reed in *Phytologia*, 63(5): 410 (1987): M. lancifolia.  
daochengensis C.L. Li in *Acta Phytotax. Sin.*, 27(4): 301 (1989)—China.  
dirangensis M.C. Joshi & S.M. Singh in *Pl. Sci. (Lucknow)*, 12: 21 (1980), without latin descr. or type—India.  
domestica  
var. rinkii (Koidz.) H. Ohle in R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel, 1: 359 (1986): M. pumila var. rinkii.  
jinxianensis J.Q. Deng & J.Y. Hong in *Acta Phytotax. Sin.*, 25(4): 326 (1987)—China.  
leiocalyca S.Z. Huang in *Guihaia*, 9(4): 305 (1989), with two types cited—China.  
toringo  
f. koringo (Koidz.) T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989): M. toringo var. koringo.

**MALVA** (Malvac.).

aurantiaco-rubra Huber, Cat. Gén. 1870 & 1871: 3 (1870); cf. D.J. Mabberley in *Taxon*, 34(3): 453 (1985)—Locality not stated.  
cuneata P. Baltasar Merino, Algunas Pl. Rar. ... de La Guardia (Pontevedra): 31 (1895)—Spain.†  
lagascae Capelli, Cat. Stirp. Reg. Hort. Bot. Taur.: 36 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.  
paxtonii G. Don f. in Loud., *Encycl. Pl., new ed.*: 1424 (1855); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.

**MALVAVISCUS** (Malvac.).

urticifolius (K. Presl) P.A. Fryxell in *Syst. Bot.*, 12(2): 279 (1987): *Pavonia* urticifolia.

**MAMMEA** (Guttif.).

decaryana (Perrier) J.F. Leroy in Compt. R. Hebd. Séances Acad. Sci., D (Paris), 284(16): 1522 (1977), without basionym ref.: *Ochrocarpos* decaryanus.  
perrieri (Vig. & Humb.) J.F. Leroy in Compt. R. Hebd. Séances Acad. Sci., D (Paris), 284(16): 1521 (1977), without basionym ref.: *Ochrocarpos* perrieri.

**MAMMILLARIA** (Cactac.).

subgen. *Cryptocarpa* A. Keizer in *Succulenta*, 69(5): 102 (1990).  
ser. *Megastigmatae* T.M.W. Neutelings in *Succulenta*, 65(1): 3 (1986).  
albata W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 130 (1989)—Mexico.  
var. longispina W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 132 (1989)—Mexico.  
var. sanciro W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 132 (1989)—Mexico.  
albicans  
f. slevinii (Britton & Rose) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: Basionym not stated.  
albrechtiana M. Wohlschlagler in *Kakt. And. Sukk.*, 40(9): 219 (1989)—Mexico.  
angelensis  
var. estebanensis (Lindsay) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 34 (1989): M. estebanensis.  
apamensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 71 (1989)—Mexico.  
var. pratensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 73 (1989)—Mexico.  
apozolensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 143 (1989)—Mexico.  
var. saltensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 145 (1989)—Mexico.  
arroyensis W. Reppenhagen in *Kakt. And. Sukk.*, 40(12): 292, 290 (1989)—Mexico.  
ascensionis  
var. nominis-dulcis (Lau) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 58 (1989): M. glassii var. nominis-dulcis.  
aureispina (Lau) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 101 (1989): M. rekoii var. aureispina.  
bambusiphila Reppenhagen in *Mitteilungsbl. AfM*, 10(5): 161–166 (1986); cf. *Repert. Pl. Succ. (I.O.S.)*, 37:4 (1986 publ. 1988)—Locality not stated.  
var. parva Reppenhagen in *Mitteilungsbl. AfM*, 10(5): 167–171 (1986); cf. *Repert. Pl. Succ. (I.O.S.)*, 37: 4 (1986 publ. 1988)—Locality not stated.  
beneckei  
var. multiceps W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 29 (1989)—Mexico.

## MAMMILLARIA :-

- berkiana A.B. Lau in *Kakt. And. Sukk.*, 37(2): 33 (1986)—Mexico.
- bernalensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 151 (1989)—Mexico.
- bocensis  
var. movasana W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 148 (1989)—Mexico.
- var. rubida (Schwarz) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 146 (1989): M. rubida.
- boelderiana M. Wohlschlager in *Kakt. And. Sukk.*, 39(4): 79 (1988)—Mexico.
- bonavitii W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 66 (1989)—Mexico.
- brachytrichion J. Lüthy in *Kakt. And. Sukk.*, 38(12): 295 (1987)—Mexico.
- brevicrinata W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 42 (1989)—Mexico.
- bucareliensis  
var. multiflora W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 164 (1989)—Mexico.
- var. tamaulipa W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 166 (1989)—Mexico.
- buxbaumeriana W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 63 (1989)—Mexico.
- candida  
var. estanzuelensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 27 (1989)—Mexico.
- centralifera W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 153 (1989)—Mexico.
- chica W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 52 (1989)—Mexico.
- claviformis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 91 (1989)—Mexico.
- compacticaulis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 80 (1989)—Mexico.
- conspicua  
var. vaupelii (Tiegel) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 113 (1989): M. vaupelii.
- coronata G. Don f. in *Loud., Hort. Brit.*: 194 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.
- crassa W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 139 (1989)—Mexico.
- crassimammillis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 169 (1989)—Mexico.
- crassior W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 85 (1989)—Mexico.
- decipiens  
var. albescens (Tiegel) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 66 (1989): M. albescens.
- dioica  
f. angelensis (Craig) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. angelensis.
- var. armillata (K. Brandege) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. armillata.
- var. capensis (Gates) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- var. cerralboa (Britton & Rose) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- f. estebanensis (Lindsay) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. estebanensis.
- f. incerta (Parish) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. incerta.

## MAMMILLARIA :-

- var. neopalmeri (Coulter) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- f. phitaiana (Baxter) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- f. verhaertiana (Bödeker) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. verhaertiana.
- discolor  
var. longispina W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 77 (1989)—Mexico.
- var. ochoteranae (Bravo) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 77 (1989): Neomammillaria ochoteranae.
- var. schmollii (Bravo) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 78 (1989): Neomammillaria schmollii.
- dixanthocentron  
var. rubripina R. Wolf in *Kakt. And. Sukk.*, 38(2): 46 (1987)—Mexico.
- duoformis  
var. xuchiapensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 104 (1989)—Mexico.
- durangicola W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 135 (1989)—Mexico.
- elegans  
var. lanata (B. & R.) Hofmann, *Inform.-Brief ZAG Mammillaria*, 1985: 25 (1986); cf. *Repert. Pl. Succ. (I.O.S.)*, 37: 5 (1986 publ. 1988): Neomammillaria lanata.
- var. longicaudata W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 109 (1989)—Mexico.
- var. lupina W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 108 (1989)—Mexico.
- var. teyuca W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 111 (1989)—Mexico.
- erythra W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 180 (1989)—Mexico.
- felipensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 38 (1989)—Mexico.
- freudenbergeri W. Reppenhagen in *Kakt. And. Sukk.*, 38(10): 255 (1987)—Mexico.
- glochidiata  
var. xiloensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 40 (1989)—Mexico.
- goodridgii  
var. blossfeldiana (Bödeker) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: M. blossfeldiana.
- var. bullardiana (Gates) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: Basionym not stated.
- var. hutchinsoniana (Gates) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: Basionym not stated.
- var. louisae (Lindsay) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: M. louisae.
- f. shurlyana (Gates) T.M.W. Neutelings in *Succulenta*, 65(1): 5 (1986), without basionym ref.: M. shurlyana.
- guelzowiana  
var. robustior R. Wolf in *Kakt. And. Sukk.*, 37(12): 257 (1986)—Mexico.
- hamiltonhoytea  
var. pilensis (Shurley) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 138 (1989): M. pilensis.
- hirsuta  
var. grandis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 36 (1989)—Mexico.
- huiguerensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 141 (1989)—Mexico.

## MAMMILLARIA :-

- ignota W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 126 (1989)—Mexico.
- igualensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 123 (1989)—Mexico.
- var. palmillensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 125 (1989)—Mexico.
- isotensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 78 (1989)—Mexico.
- kleiniorum Appenzeller in *Mitteilungsbl. AfM*, 10(6): 197–203 (1986); cf. *Repert. Pl. Succ. (I.O.S.)*, 37: 5 (1986 publ. 1988)—Locality not stated.
- krasuckae W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 99 (1989)—Mexico.
- lanigera W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 116 (1989)—Mexico.
- var. juxtlahuacensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 118 (1989)—Mexico.
- leptacantha (Lau) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 103 (1989): M. rekoii var. leptacantha.
- linarensis R. & F. Wolf in *Kakt. And. Sukk.*, 41(11): 264 (1990)—Mexico.
- mazatlanensis  
var. occidentalis (Britton & Rose) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- f. patonii (Bravo) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- f. sinalensis (Craig) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. occidentalis var. sinalensis.
- mercaderensis  
var. guillauminiana (Backeberg) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 35 (1989): M. guillauminiana.
- microcarpa  
f. auricarpa (Marshall) T.M.W. Neutelings in *Succulenta*, 65(1): 3 (1986), without basionym ref.: M. microcarpa var. auricarpa.
- f. gueldmanniana (Backeberg) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. gueldmanniana.
- f. oliviae (Orcutt) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: M. oliviae.
- var. sheldonii (Britton & Rose) T.M.W. Neutelings in *Succulenta*, 65(1): 3 (1986), without basionym ref.: Basionym not stated.
- f. swinglei (Britton & Rose) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: Basionym not stated.
- milleri  
f. multiancistra J.J. De Morree in *Succulenta*, 69(3): 70, 69 (1990)—U.S.A. (Arizona).
- monticola W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 115 (1989)—Mexico.
- nagliana W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 173 (1989)—Mexico.
- nazasensis (Glass & Foster) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 36 (1989): M. pennispinosa var. nazasensis.
- noureddineana W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 128 (1989)—Mexico.
- papasquiarensis (Bravo) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 137 (1989), basionym without type: M. tesopacensis var. papasquiarensis.
- parrasensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 133 (1989)—Mexico.



**MAMMILLARIA** :-

- pottsii  
*var. gigas* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 61 (1989)—Mexico.
- var. multicaulis* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 60 (1989)—Mexico.
- priessnitzii W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 158 (1989)—Mexico.
- puberula W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 44 (1989)—Mexico.
- pulliamata W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 96 (1989)—Mexico.
- rectispina (Dawson) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 33 (1989): *M. goodrichii* var. *rectispina*.
- rioverdensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 162 (1989), as '*rioverdense*'—Mexico.
- sanjuanensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 98 (1989)—Mexico.
- saxicola W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 160 (1989)—Mexico.
- scrippsiana  
*var. armeria* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 149 (1989)—Mexico.
- seitziana  
*var. tolantongensis* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 154 (1989)—Mexico.
- silvatica W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 89 (1989)—Mexico.
- subducta  
*var. dasyacantha* (Hunt) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 55 (1989), without basionym ref.: Basionym not stated.
- supraflumen W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 87 (1989)—Mexico.
- thornberi  
*var. yaquensis* (Craig) T.M.W. Neutelings in *Succulenta*, 65(1): 4 (1986), without basionym ref.: *M. yaquensis*.
- tlalocii W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 120 (1989)—Mexico.
- tropica W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 171 (1989)—Mexico.
- vallensis W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 156 (1989)—Mexico.
- var. brevispina* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 158 (1989)—Mexico.
- verticalba W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 68 (1989)—Mexico.
- var. zacatecasensis* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 70 (1989)—Mexico.
- voburnensis  
*var. collinsii* (Britton & Rose) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 175 (1989): *Neomammillaria collinsii*.
- var. eichlamii* (Quehl) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 178 (1989): *M. eichlamii*.
- var. quetzalcoatl* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 177 (1989)—Mexico.
- wohlschlageri W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 49 (1989)—Mexico.

**MAMMILLARIA** :-

- wrightii  
*var. wolfii* (Hunt) W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 31 (1989), without basionym ref.: *M. wrightii* f. *wolfii*.
- xaltiauguensis H. Sánchez-Mejorada R. in *An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 44(1): 30 (1973)—Mexico.
- var. aguilensis* W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 106 (1989)—Mexico.
- xochipilli W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 167 (1989)—Mexico.
- zephyranthoides  
*var. heidiaie* (Krainz) J. Lüthy in *Kakt. And. Sukk.*, 38(1): 11 (1987): *M. heidiaie*.
- zublerae W. Reppenhagen, *Gattung Mammillaria nach dem heutigen Stand meines Wissens*, 1988: 48 (1989), as '*zubleri*'—Mexico.
- MANCOA** (Crucif.).  
*venturii* I.A. Al-Shehbaz in *Harvard Pap. Bot.*, 2: 11 (1990)—Argentina.
- MANDEVILLA** (Apocynac.).  
*aracamunensis* G. Morillo in *Ernstia*, 53: 17 (1989)—Venezuela.
- holstii* G. Morillo in *Ernstia*, 53: 18 (1989)—Venezuela.
- huberi* G. Morillo in *Ernstia*, 53: 19 (1989)—Venezuela.
- widgrenii* C. Ezcurra in *Candollea*, 45(1): 39 (1990), nom. nov.: *Dipladenia linearis* Muell. Arg.

**MANFREDA** (Agavac.).

- fusca* P. Ravenna in *Herbertia*, 43(1): 17 (1987)—Guatemala.
- involuta* R. McVaugh, *Fl. Novo-Galiciana*, 15: 231 (1989)—Mexico.
- scabra* (Ort.) R. McVaugh, *Fl. Novo-Galiciana*, 15: 234 (1989): *Agave scabra*.

**MANGLIETIA** (Magnoliac.).

- glaucofolia* Y.W. Law & Y.F. Wu in *Guihaia*, 6(4): 263 (1986)—China.
- lucida* B.L. Chen & S.C. Yang in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(3): 94 (1988)—China.
- maguanica* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 109 (1988)—China.
- ovoidea* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 108 (1988)—China.
- tenuifolia* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 110 (1988)—China.

**MANIHOT** (Euphorbiac.).

- cannabina* Sweet, *Hort. Brit.*, ed. 2: 458 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.
- compositifolia* A.C. Allem in *Rev. Brasil. Biol.*, 49(3): 650 (1989 publ. 1990)—Brazil.
- diamantiniensis* A.C. Allem in *Rev. Brasil. Biol.*, 49(3): 658 (1989 publ. 1990)—Brazil.
- gabrielensis* A.C. Allem in *Rev. Brasil. Biol.*, 49(3): 653 (1989 publ. 1990)—Brazil.
- neusana* N.M.A. Nassar in *Ciênc. Cult.*, 38(2): 340 (1986)—Brazil.
- nogueirae* A.C. Allem in *Rev. Brasil. Biol.*, 49(3): 656 (1989 publ. 1990)—Brazil.
- tripartita*  
*subsp. indivisa* A.C. Allem in *Rev. Brasil. Biol.*, 49(1): 13 (1989)—Brazil.
- subsp. xavantiniensis* (Rogers & Appan) A.C. Allem in *Rev. Brasil. Biol.*, 49(1): 13 (1989): *M. xavantiniensis*.
- violacea*  
*subsp. jacobinensis* (Muell. Arg.) A.C. Allem in *Rev. Brasil. Biol.*, 49(1): 25 (1989): *M. jacobinensis*.

**MANILKARA** (Sapotac.).

- bidentata*  
*subsp. surinamensis* (Miquel) T.D. Pennington in *Fl. Neotrop.*, 52: 61 (1990): *Mimusops surinamensis*.
- bolivarensis* T.D. Pennington in *Fl. Neotrop.*, 52: 77 (1990)—Venezuela.
- cavalcanti* Pires & Rodrigues ex T.D. Pennington in *Fl. Neotrop.*, 52: 52 (1990)—Brazil.

**MANILKARA** :-

- decrescens* T.D. Pennington in *Fl. Neotrop.*, 52: 75 (1990)—Brazil.
- maxima* T.D. Pennington in *Fl. Neotrop.*, 52: 48 (1990)—Brazil.
- multifida* T.D. Pennington in *Fl. Neotrop.*, 52: 76 (1990)—Brazil.
- valenzuelana* (A. Richard) T.D. Pennington in *Fl. Neotrop.*, 52: 84 (1990): *Lucuma valenzuelana*.

**MANOELIA** S. Bowdich in T.E. Bowdich, Exc.

- Madeira*: 246 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980). **SOLANACEAE**.
- pallida* S. Bowdich in T.E. Bowdich, Exc. *Madeira*: 246 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 60 (1980)—Cape Verde Is.

**MANULEA** (Scrophulariac.).

- acutiloba* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 337 (1990)—South Africa (Cape Province).
- adenocalyx* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 337 (1990), as '*adenocalyx*'—South Africa (Cape Province).
- adenodes* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 337 (1990)—South Africa (Cape Province).
- altissima*  
*subsp. glabricaulis* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 49 (1989): *M. altissima* var. *glabricaulis*.
- subsp. longifolia* (Benth.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 49 (1989): *M. longifolia*.
- annua* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 49 (1989): *Sutera annua*.
- aridicola* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 338 (1990)—South Africa (Cape Province), Namibia.
- augei* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 49 (1989): *Phyllopodium augei*.
- calciophila* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989)—South Africa (Cape Province).
- caledonica* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 338 (1990)—South Africa (Cape Province).
- chrysantha* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 338 (1990)—South Africa (Cape Province).
- cinerea* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989)—South Africa (Cape Province).
- crassifolia*  
*subsp. thodeana* (Diels) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989): *M. thodeana*.
- decipiens* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 338 (1990)—South Africa (Cape Province).
- deserticola* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 338 (1990)—South Africa (Orange Free State, Cape Province).
- diandra* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 339 (1990)—South Africa (Cape Province).
- exigua* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 339 (1990)—South Africa (Cape Province).
- flanaganii* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 339 (1990)—South Africa (Orange Free State).
- gariesiana* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 340 (1990)—South Africa (Cape Province).
- karrooica* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989)—South Africa (Cape Province).
- latiloba* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989)—South Africa (Cape Province).
- linearifolia* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 340 (1990)—South Africa (Cape Province).
- minuscule* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 340 (1990)—Namibia, South Africa (Cape Province).

**MANULEA** :-

- montana O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 50 (1989)—South Africa (Cape Province).
- multispicata O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 51 (1989)—South Africa (Cape Province).
- namibensis (Roessler) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 340 (1990): *M. gariepina* subsp. *namibensis*.
- ovatifolia O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 51 (1989)—South Africa (Cape Province).
- parviflora  
var. *limonioides* (Conrath) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 51 (1989): *M. limonioides*.
- paucibarbatula O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 51 (1989), nom. nov.: *Sutera annua* var. *laxa* Hiern.
- pillansii O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 51 (1989)—South Africa (Cape Province).
- plurirosulata O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 52 (1989)—South Africa (Orange Free State, Cape Province).
- praeterita O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 340 (1990)—South Africa (Cape Province).
- psilostoma O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 341 (1990)—South Africa (Cape Province).
- ramulosa O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 52 (1989)—South Africa (Cape Province).
- rhodantha O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 52 (1989)—South Africa (Cape Province), Lesotho.
- subsp. *aurantiaca* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 52 (1989)—South Africa (Transvaal).
- tenella O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 341 (1990)—Namibia.

**MAPANIA** (Cyperac.).

- assimilis  
subsp. *guianensis* D.A. Simpson in *Kew Bull.*, 44(1): 141 (1989)—French Guiana.
- herrerae J. Gómez Laurito in *Phytologia*, 60(1): 73 (1986)—Costa Rica.
- sylvatica  
subsp. *gabonica* (Chernezon) D.A. Simpson in *Kew Bull.*, 44(1): 140 (1989): *M. gabonica*.

**MAPOURIA** (Rubiace.).

- artensis (Montr.) G. Beauvisage in *Ann. Soc. Bot. Lyon*, 19: 22 (1894); et *Révis. Genr. Pl. Néo-Caléd.*: 8 (1894) (reprint): *Delphechia artensis*.†
- douarrei G. Beauvisage in *Ann. Soc. Bot. Lyon*, 19: 25 (1894); et *Révis. Genr. Pl. Néo-Caléd.*: 11 (1894) (reprint), nom. nov.: *Douarrea alba* Montr.†
- floribunda (Montr.) G. Beauvisage in *Ann. Soc. Bot. Lyon*, 19: 22 (1894); et *Révis. Genr. Pl. Néo-Caléd.*: 8 (1894) (reprint): *Delphechia floribunda*.†
- speciosa (Montr.) G. Beauvisage in *Ann. Soc. Bot. Lyon*, 19: 25 (1894); et *Révis. Genr. Pl. Néo-Caléd.*: 11 (1894) (reprint): *Douarrea speciosa*.†

**MARACANTHUS** (Loranthac.).

- badilloi (Ferrari) J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 114 (1990): *Phthirusa badilloi*.
- pusillus J. Kuijt in *Brittonia*, 39(4): 452 (1987)—Venezuela.

**MARAHUACAEA** B. Maguire in *Acta Bot. Venezuel.*, 14(3): 16 (1984). **RAPATEACEAE**.

- schomburgkii (Maguire) B. Maguire in *Acta Bot. Venezuel.*, 14(3): 16 (1984): *Amphiphyllum schomburgkii*.

**MARANTA** (Marantac.).

- amazonica L. Andersson in *Nordic J. Bot.*, 6(6): 752 (1986)—Ecuador, Colombia, Peru.
- incrassata L. Andersson in *Nordic J. Bot.*, 6(6): 747 (1986)—Bolivia, Brazil.
- lindmanii L. Andersson in *Nordic J. Bot.*, 6(6): 744 (1986)—Brazil.

**MARANTA** :-

- linearis L. Andersson in *Nordic J. Bot.*, 6(6): 741 (1986)—Venezuela, Colombia.
- rupicola L. Andersson in *Nordic J. Bot.*, 6(6): 751 (1986)—Surinam, Guyana, Venezuela, French Guiana, Brazil.
- sobolifera L. Andersson in *Nordic J. Bot.*, 6(6): 742 (1986)—Brazil, Paraguay, Argentina.
- tuberculata L. Andersson in *Nordic J. Bot.*, 6(6): 754 (1986)—Brazil.
- zingiberina L. Andersson in *Nordic J. Bot.*, 6(6): 746 (1986)—Brazil.

**MARICA** (Iridac.).

- coelestis J.G.C. Lehmann in *Sem. Hort. Bot. Hamb.*: 17 (1826)—Locality not stated.†
- tigridia J.G.C. Lehmann in *Sem. Hort. Bot. Hamb.*: 17 (1826)—Locality not stated.†

**MARILA** (Guttif.).

- parviflora A.H. Gentry in *Ann. Missouri Bot. Gard.*, 75(4): 1431 (1988 publ. 1989)—Colombia.

**MARISCUS** (Cyperac.).

- compactus  
var. *macrostachys* (Boeck.) H.B. Naithani & S. Biswas in H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 471 (1990): *Cyperus dilutus* var. *macrostachys*.
- diamantinus D.A. Simpson in *Kew Bull.*, 44(2): 283 (1989)—Brazil.
- drakensbergensis P. Vorster in *S. Afr. J. Bot.*, 52(2): 181 (1986)—South Africa (Natal).
- fauriei (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 122 (1989): *Cyperus fauriei*.
- hillebrandii (Boeck.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 122 (1989): *Cyperus hillebrandii*.
- subsp. *decipiens* (Hillebr.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 122 (1989): *Cyperus decipiens*.
- hypochlorus  
subsp. *brevior* (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 122 (1989): *Cyperus hypochlorus* var. *brevior*.
- longibracteatus  
var. *keniensis* (Kuek.) P. Maquet in *Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 265 (1988): *Cyperus keniaensis*.
- microbolbos (C.B. Cl.) P. Vorster in *Kew Bull.*, 42(1): 200 (1987): *Cyperus microbolbos*.
- patulus Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1835: 4 (1835); *Linnaea* 11, Lit.: 88 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.
- pennatifloris (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 123 (1989): *Cyperus pennatifloris*.
- subsp. *bryanii* (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 123 (1989): *Cyperus pennatifloris* var. *bryanii*.
- phleoides  
subsp. *hawaiiensis* (H. Mann) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 124 (1989): *Cyperus hawaiiensis*.
- pohlii (Nees) D.A. Simpson in *Kew Bull.*, 44(2): 285 (1989): *Papyrus pohlii*.
- subsp. *bahiensis* D.A. Simpson in *Kew Bull.*, 44(2): 286 (1989)—Brazil.
- rockii (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 124 (1989): *Cyperus rockii*.
- sandwicensis (Kükenth.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 124 (1989): *Cyperus sandwicensis*.
- solidus (Kunth) P. Vorster in *S. Afr. J. Bot.*, 52(3): 265 (1986): *Cyperus solidus*.
- sumatrensis  
var. *macrocarpus* (Kunth) P. Maquet in *Fl. Rwanda - Spermatophytes*, 4: 630 (1988): *M. macrocarpus*.

**MARKEA** (Solanac.).

- lopezii A.T. Hunziker in *Lorentzia*, 5: 9 (1985)—Colombia.

**MARKHAMIA** (Bignoniac.).

- acuminata (Klotzsch) K. Schumann in A. Engler, *Pflanzenw. Ost-Afrikas*, C: 363 (1895): *Spathodea acuminata*.

**MARLIEREA** (Myrtac.).

- cordata J.R. Mattos in *Loefgrenia*, 94: 7 (1989)—Brazil.
- pilodes (Kiaerskou) M.L. Kawasaki in *Bol. Bot. (São Paulo)*, 11: 126 (1989): *Myrcia pilodes*.

**MARSDENIA** (Asclepiadac.).

- carvalhoi G. Morillo & G. Carnevali in *Ernstia*, 45: 3 (1987)—Brazil.
- fontellana G. Morillo & G. Carnevali in *Ernstia*, 45: 6 (1987)—Brazil.
- guanchezii G. Morillo in *Ernstia*, 37: 10 (1986)—Venezuela.
- hatschbachii G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 120 (1977)—Brazil.
- liisae J.B. Williams in *Austrobaileya*, 3(1): 45 (1989)—Australia (New South Wales).
- lloydii P.I. Forster in *Austrobaileya*, 2(5): 455 (1988), nom. nov.: *M. suberosa* S.T. Blake.
- neomanarae G. Morillo in *Ernstia*, 43: 21 (1987), as 'neo-manarae'—Brazil.
- nubicola Alain H. Liogier in *Phytologia*, 63(1): 66 (1987)—Hispaniola (Dominican Republic).

**MARSHALLIA** (Compos.).

- graminifolia  
subsp. *tenuifolia* (Raf.) L.E. Watson in *Syst. Bot.*, 15(3): 412 (1990): *M. tenuifolia*.
- tenuifolia  
var. *graminifolia* (Walter) K.N. Gandhi & R.D. Thomas in *Sida, Bot. Misc.*, 4: 128 (1989): *Athanasia graminifolia*.

**MASCAGNIA** (Malpighiac.).

- leticiana W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 48 (1990)—Mexico.
- liesneri W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 51 (1990)—Venezuela.
- mesoamericana W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 105 (1987)—Guatemala, Mexico, Panama.
- paludicola W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 106 (1987)—Brazil.
- surinamensis (Kostermans) W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 53 (1990): *M. multiglandulosa* var. *surinamensis*.

**MASDEVALLIA** (Orchidac.).

- subsect. *Alatacaules* (Krzl.) C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 43 (1986): *M. sect. Alatacaules*.
- sect. *Amaluzae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 18 (1986).
- subgen. *Amanda* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 10 (1986), nom. nov.: *M. sect. Amanda* Rchb. f.
- sect. *Aphanes* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 18 (1986).
- sect. *Caudivolvulae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 21 (1986).
- subsect. *Dentatae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 48 (1986).
- subsect. *Durae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 23 (1986).
- sect. *Ligiae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 26 (1986).
- subgen. *Meleagris* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 51 (1986), nom. nov.: gen. *Rodrigoa Braas*.
- sect. *Mentosae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 38 (1986).
- sect. *Nidificae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 12 (1986).
- sect. *Ophioglossae* C.A. Luer, *IC. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 15 (1986).

**MASDEVALLIA** :-

- subsect. *Oscillantes* C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 32 (1986).
- subgen. *Pelecanceps* C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 53 (1986), nom. nov.: gen. *Luerella* Braas.
- sect. *Pygmaeae* C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 15 (1986).
- subsect. *Reichenbachianae* (Woolw.) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 48 (1986): M. sect. *Reichenbachianae*.
- subsect. *Saltatrices* (Rchb. f.) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 36 (1986): M. sect. *Saltatrices*.
- subgen. *Teagueia* C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 53 (1986).
- subsect. *Tubulosae* (Rchb. f.) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 38 (1986): M. sect. *Tubulosae*.
- affinis
- subsp. *maculigera* (Schltr.) C.A. Luer in *Lindleyana*, 3(1): 17 (1988): M. *maculigera*.
- subsp. *petiolaris* (Schltr.) C.A. Luer in *Lindleyana*, 3(1): 17 (1988): M. *petiolaris*.
- asterotricha W. König in *Orchidee*, 37(3): 104 (1986)—Peru.
- audax W. König in *Orchidee*, 37(3): 106 (1986)—Peru.
- berthae C.A. Luer & Andreetta in *Lindleyana*, 4(3): 105 (1989)—Ecuador.
- boliensis
- subsp. *leucophaea* (Luer & Vásquez) C.A. Luer in *Lindleyana*, 3(1): 21 (1988): M. *leucophaea*.
- campyloglossa
- subsp. *ortgiesiana* (Rolfe) C.A. Luer in *Lindleyana*, 3(1): 21 (1988): M. *ortgiesiana*.
- cleistogama C.A. Luer in *Lindleyana*, 4(3): 105 (1989)—Peru.
- condorensis C.A. Luer & Hirtz in *Lindleyana*, 1(3): 180 (1986)—Ecuador.
- coriacea
- subsp. *bonplandii* (Rchb. f.) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 23 (1986): M. *bonplandii*.
- cranion C.A. Luer in *Lindleyana*, 4(3): 108 (1989)—Peru.
- cuprea
- subsp. *hepatica* (Luer) C.A. Luer in *Lindleyana*, 3(1): 21 (1988): M. *hepatica*.
- cylix C.A. Luer & Malo in *Lindleyana*, 3(4): 195 (1988 publ. 1989)—Ecuador.
- deceptrix C.A. Luer & B. Würstle in *C.A. Luer, Thesaurus Masdevalliarum*, 10: t. 4 (1987)—Venezuela.
- descendens C.A. Luer & Andreetta in *Lindleyana*, 3(4): 195 (1988 publ. 1989)—Ecuador.
- discoidea C.A. Luer & Würstle in *Lindleyana*, 1(3): 182 (1986)—Brazil.
- draconis C.A. Luer & Andreetta in *Lindleyana*, 3(1): 21 (1988)—Ecuador.
- dryada C.A. Luer & Escobar in *Lindleyana*, 4(3): 108 (1989)—Colombia.
- eumeces C.A. Luer in *Lindleyana*, 4(3): 111 (1989)—Peru.
- eurynogaster C.A. Luer & Andreetta in *Lindleyana*, 3(1): 29 (1988)—Ecuador.
- expers C.A. Luer & Andreetta in *Lindleyana*, 3(1): 29 (1988)—Ecuador.
- floribunda
- subsp. *tuerckheimii* (Ames) C.A. Luer in *Lindleyana*, 3(1): 32 (1988): M. *tuerckheimii*.
- foeda C.A. Luer & Vásquez in *Lindleyana*, 3(4): 198 (1988 publ. 1989)—Bolivia.
- glossacles C.A. Luer in *Lindleyana*, 4(3): 111 (1989)—Ecuador.
- hercules C.A. Luer & Andreetta in *Lindleyana*, 3(4): 198 (1988 publ. 1989)—Ecuador.
- hirtzii C.A. Luer & Andreetta in *Amer. Orchid Soc. Bull.*, 58(2): 137 (1989)—Ecuador.

**MASDEVALLIA** :-

- hoeijeri C.A. Luer & Hirtz in *Lindleyana*, 1(3): 184 (1986)—Ecuador.
- hubeinii C.A. Luer & B. Würstle in *Orchideeën*, 48(2): 50 (1986)—Colombia.
- hystrix C.A. Luer & A.C. Hirtz in *Orchidee*, 37(3): 139 (1986)—Ecuador.
- icterina W. König in *Orchidee*, 41(4): 139 (1990)—Peru.
- infracta
- subsp. *curtipes* (Barb. Rodr.) C.A. Luer in *Lindleyana*, 3(1): 32 (1988): M. *curtipes*.
- subsp. *obscurans* C.A. Luer in *Lindleyana*, 3(1): 37 (1988)—Brazil.
- subsp. *oscitans* C.A. Luer in *Lindleyana*, 3(1): 37 (1988)—Brazil.
- lamia C.A. Luer & Hirtz in *Lindleyana*, 3(1): 40 (1988)—Ecuador.
- limax
- subsp. *maxilimax* C.A. Luer in *Lindleyana*, 3(1): 40 (1988)—Ecuador.
- lintricia W. König in *Orchidee*, 37(3): 106 (1986)—Peru.
- manarana G. Carnevali F.C. & I. Ramírez de Carnevali in *Ernstia*, 44: 15 (1987)—Venezuela.
- manchinazae C.A. Luer & Andreetta in *Lindleyana*, 3(4): 201 (1988 publ. 1989)—Ecuador.
- maxilimax (Luer) C.A. Luer in *Lindleyana*, 4(3): 114 (1989): M. *limax* subsp. *maxilimax*.
- mayaycu C.A. Luer & Andreetta in *Lindleyana*, 3(4): 201 (1988 publ. 1989)—Ecuador.
- melanoglossa C.A. Luer in *Lindleyana*, 4(3): 114 (1989)—Ecuador.
- microptera C.A. Luer & Würstle in *Lindleyana*, 4(3): 116 (1989)—Peru.
- morochoi C.A. Luer & Andreetta in *Lindleyana*, 4(3): 116 (1989)—Ecuador.
- mystica C.A. Luer in *Lindleyana*, 4(3): 119 (1989)—Colombia.
- nivea (Luer & Escobar) C.A. Luer & Escobar in *C.A. Luer, Thesaurus Masdevalliarum*, 13: t. 9 (1989): M. *purpurella* subsp. *nivea*.
- norae C.A. Luer in *Lindleyana*, 3(1): 44 (1988)—Venezuela.
- ophioglossa
- subsp. *grossa* (Luer) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 15 (1986): M. *grossa*.
- os-viperac C.A. Luer & Andreetta in *Lindleyana*, 4(3): 119 (1989)—Ecuador.
- pachyura
- subsp. *leptoura* (Luer) C.A. Luer in *Lindleyana*, 3(1): 44 (1988): M. *leptoura*.
- paquishae C.A. Luer & Hirtz in *Lindleyana*, 3(4): 204 (1988 publ. 1989)—Ecuador.
- peristeria
- subsp. *haematosticta* (Reichb. f.) C.A. Luer in *Lindleyana*, 3(1): 44 (1988): M. *haematosticta*.
- picturata
- subsp. *minor* (Cogn.) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 12 (1986): M. *picturata* var. *minor*.
- pileata C.A. Luer & B. Würstle in *Orchideeën*, 48(2): 50 (1986)—Colombia.
- planadensis C.A. Luer & Escobar in *Lindleyana*, 3(1): 50 (1988)—Colombia.
- polysticta
- subsp. *spathulifolia* (Kränzlin) C.A. Luer in *Lindleyana*, 3(1): 50 (1988): M. *spathulifolia*.
- pterygiophora C.A. Luer & Escobar in *Lindleyana*, 3(1): 50 (1988)—Colombia.
- purpurella
- subsp. *nivea* C.A. Luer & Escobar in *Lindleyana*, 3(1): 55 (1988)—Colombia.
- rex C.A. Luer & Hirtz in *Lindleyana*, 4(3): 122 (1989)—Ecuador.
- richardsoniana C.A. Luer in *Lindleyana*, 3(1): 55 (1988)—Peru.
- rodolfoi
- subsp. *ortalis* (Luer) C.A. Luer in *Lindleyana*, 3(1): 59 (1988): M. *ortalis*.
- rosea
- subsp. *echinata* (Luer & Andreetta) C.A. Luer in *Lindleyana*, 3(1): 59 (1988): M. *echinata*.
- rufescens W. König in *Orchidee*, 37(3): 110 (1986)—Peru.

**MASDEVALLIA** :-

- solomonii C.A. Luer & Vásquez in *Lindleyana*, 3(4): 204 (1988 publ. 1989)—Bolivia.
- stirpis C.A. Luer in *Lindleyana*, 4(3): 122 (1989)—Venezuela.
- strigosa W. König in *Orchidee*, 41(4): 142 (1990)—Ecuador.
- strumella C.A. Luer in *Schlechteriana*, 1(2): 9 (1988)—Colombia.
- tinekeae C.A. Luer & Vásquez in *Lindleyana*, 3(4): 207 (1988 publ. 1989)—Bolivia.
- tubulosa
- subsp. *syringodes* (Luer & Andreetta) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 38 (1986): M. *syringodes*.
- valenciae C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 36 (1986)—Colombia.
- ventricularia
- subsp. *filaria* (Luer & Escobar) C.A. Luer,  *Ic. Pleurothallid. II-Syst. Masdevallia* (Monogr. Syst. Bot. Missouri Bot. Gard. 16): 36 (1986): M. *filaria*.
- vidua C.A. Luer & Andreetta in *Lindleyana*, 3(4): 207 (1988 publ. 1989)—Ecuador.
- vieirana C.A. Luer & Escobar in *Lindleyana*, 3(4): 211 (1988 publ. 1989)—Colombia.
- wubbenii C.A. Luer in *Amer. Orchid Soc. Bull.*, 56(11): 1141 (1987)—Venezuela.
- xanthina
- subsp. *klabochoorum* (Reichb. f.) C.A. Luer in *Lindleyana*, 3(1): 64 (1988): M. *klabochoorum*.
- subsp. *mandarina* C.A. Luer & Escobar in *Lindleyana*, 3(1): 64 (1988)—Colombia.
- subsp. *pallida* (Woolward) C.A. Luer in *Lindleyana*, 3(1): 64 (1988): M. *xanthina* var. *pallida*.
- yungasensis
- subsp. *calocodon* (Luer & Vásquez) C.A. Luer in *Lindleyana*, 3(1): 70 (1988): M. *calocodon*.
- zebracea C.A. Luer in *Lindleyana*, 4(3): 126 (1989)—Peru.
- MASTERSIELLA** (Restionac.).
- purpurea (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 487 (1985): *Hypolaena purpurea*.
- spathulata (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 487 (1985): *Hypolaena spathulata*.
- MATAYBA** (Sapindac.).
- affinis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1067 (1988)—Venezuela.
- apetala
- subsp. *oppositifolia* (A. Rich.) Borhidi ex M.A. Vales & R. Carreras in *Acta Bot. Hung.*, 32(1-4): 245 (1986): *Cupania oppositifolia*.
- longipes
- subsp. *tepuiensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1069 (1988)—Venezuela, Brazil.
- macrocarpa R.E. Gereau in *Candollea*, 45(1): 374 (1990)—Peru.
- oligandra
- var. *occidentalis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1069 (1988)—Venezuela.
- ptariana
- subsp. *guaiquinimae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 635 (1987)—Venezuela.
- yutajensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1070 (1988)—Venezuela.
- MATELEA** (Asclepiadac.).
- aenea (Woodson) W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(4): 1558 (1988 publ. 1989): *Dictyanthus aeneus*.
- aliciae G. Morillo in *An. Jard. Bot. Madrid*, 43(2): 238 (1986 publ. 1987)—Peru.
- altamirana G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 355 (1989 publ. 1990)—Colombia.
- amazonica G. Morillo in *Mem. Soc. Cienc. Nat. La Salle*, 37(107): 122 (1977)—Venezuela, Brazil.
- andina (Malme) G. Morillo in *An. Jard. Bot. Madrid*, 47(2): 359 (1989 publ. 1990): *Gonolobus andinus*.
- asplundii (Malme) G. Morillo in *An. Jard. Bot. Madrid*, 43(2): 239 (1986 publ. 1987): *Gonolobus asplundii*.
- aymardii G. Morillo in *Ernstia*, 50: 19 (1988)—Venezuela.

**MATELEA** :-

- bolivarensis *G. Morillo in Mem. Soc. Cienc. Nat. La Salle*, 37(107): 122 (1977), as 'bolivarensis'—Venezuela.
- boliviana *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 355 (1989 publ. 1990)—Bolivia.
- borinquensis *Alain H. Liogier in Phytologia*, 61(6): 360 (1986)—Puerto Rico.
- camiloana *G. Morillo in Ernstia*, 50: 20 (1988)—Peru.
- chimboraensis *G. Morillo in Ernstia*, 50: 20 (1988)—Ecuador.
- coriacea *G. Morillo in Mem. Soc. Cienc. Nat. La Salle*, 37(107): 124 (1977)—Venezuela.
- costata (*Urb.*) *G. Morillo in An. Jard. Bot. Madrid*, 43(2): 239 (1986 publ. 1987): Poicilla? costata.
- cumanensis (*Willdenow ex Schultes*) *W.D. Stevens in Phytologia*, 64(5): 334 (1988): Apocynum cumanense.
- diversifolia (*Fourn.*) *G. Morillo & J. Fontella Pereira in Ernstia*, 57: 2 (1990): Ibatia diversifolia.
- var. surgens (*Malme*) *G. Morillo & J. Fontella Pereira in Ernstia*, 57: 2 (1990): Pseudibatia surgens.
- dusenii *G. Morillo in An. Jard. Bot. Madrid*, 43(2): 239 (1986 publ. 1987)—Brazil.
- dwyeri *G. Morillo in Ernstia*, 50: 21 (1988)—Panama.
- eximia *W.D. Stevens in Ann. Missouri Bot. Gard.*, 75(4): 1552 (1988 publ. 1989)—Mexico.
- fontellana *G. Morillo in Ernstia*, 50: 22 (1988)—Brazil.
- hamata *W.D. Stevens in Ann. Missouri Bot. Gard.*, 75(4): 1540 (1988 publ. 1989)—Mexico.
- harlingii *G. Morillo in An. Jard. Bot. Madrid*, 43(2): 241 (1986 publ. 1987)—Ecuador.
- hildegardiana *G. Morillo in Ernstia*, 50: 22 (1988)—Venezuela.
- holstii *G. Morillo & G. Carnevali in Ernstia*, 40: 21 (1986)—Venezuela.
- honorana *G. Morillo in Ernstia*, 50: 24 (1988)—Ecuador.
- kirkbridei *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 355 (1989 publ. 1990)—Colombia.
- klugii *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 356 (1989 publ. 1990)—Peru.
- lanosa (*Fourn.*) *G. Morillo & J. Fontella Pereira in Ernstia*, 57: 1 (1990): Ibatia lanosa.
- lauta *W.D. Stevens in Ann. Missouri Bot. Gard.*, 75(4): 1548 (1988 publ. 1989)—Mexico.
- liesneri *G. Morillo in Ernstia*, 50: 26 (1988)—Venezuela.
- linearipetala *Alain H. Liogier in Phytologia*, 64(5): 346 (1988)—Hispaniola (Haiti).
- macvaughiana *W.D. Stevens in Ann. Missouri Bot. Gard.*, 75(4): 1545 (1988 publ. 1989)—Mexico.
- melinii (*Malme*) *G. Morillo in An. Jard. Bot. Madrid*, 43(2): 244 (1986 publ. 1987): Gonolobus melinii.
- microphylla *G. Morillo in Ernstia*, 50: 26 (1988)—Brazil.
- montana *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 356 (1989 publ. 1990)—Colombia.
- nielsenii *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 356 (1989 publ. 1990)—Ecuador.
- nigra (*Decne.*) *G. Morillo & J. Fontella Pereira in Ernstia*, 57: 2 (1990): Lachnostoma nigrum.
- ochracea *G. Morillo in Ernstia*, 50: 28 (1988)—Colombia.
- riparia *G. Morillo in Mem. Soc. Cienc. Nat. La Salle*, 37(107): 125 (1977)—Guyana.
- romeroi *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 357 (1989 publ. 1990)—Colombia.
- rubra (*Karst.*) *Van der Aa & A.L. Stoffers in Proc. Kon. Nederl. Akad. Wetensch., C*, 84(3): 309 (1981): Omphalophthalmum ruber.
- ruiz-pavonii *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 357 (1989 publ. 1990)—Peru.
- schultesii *G. Morillo & Carnevali in An. Jard. Bot. Madrid*, 47(2): 358 (1989 publ. 1990)—Colombia.
- schunkei *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 358 (1989 publ. 1990)—Peru.
- suffruticosa *W.D. Stevens in Ann. Missouri Bot. Gard.*, 75(4): 1558 (1988 publ. 1989)—Mexico.
- uribei *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 358 (1989 publ. 1990)—Colombia.
- vargasii *G. Morillo in Ernstia*, 50: 28 (1988)—Peru.
- virginiae *G. Morillo in Biollania*, 4: 63 (1985)—Venezuela.
- weberbaueri *G. Morillo in An. Jard. Bot. Madrid*, 47(2): 359 (1989 publ. 1990)—Peru.

**MATELEA** :-

- woytkowskii *G. Morillo in Ernstia*, 50: 29 (1988)—Peru.

**MATISIA** (Bombacac.).

- dolichosiphon (*Robyns & Nilsson*) *W.S. Alverson in Taxon*, 38(3): 386 (1989): Quararibea dolichosiphon.
- exalata *W.S. Alverson in Syst. Bot.*, 14(4): 473 (1989)—Panama.
- intricata (*Robyns & Nilsson*) *W.S. Alverson in Taxon*, 38(3): 386 (1989): Quararibea intricata.
- jefensis (*Robyns & Nilsson*) *W.S. Alverson in Taxon*, 38(3): 386 (1989): Quararibea jefensis.
- malacocalyx (*Robyns & Nilsson*) *W.S. Alverson in Taxon*, 38(3): 386 (1989): Quararibea malacocalyx.
- palenquiana (*Robyns*) *W.S. Alverson in Taxon*, 38(3): 386 (1989): Quararibea palenquiana.

**MATRICARIA** (Compos.).

- lamellata *A. Bunge, Beitr. Fl. Russl.*: 159 (1852)—U.S.S.R. (Middle Asia).†

**MATTHIOLA** (Crucif.).

- carnica *F. Tammara in Arch. Bot. Biogeogr. Ital.*, 61(1-2): 22 (1985 publ. 1986)—Italy.

**MATTIASTRUM** (Boraginac.).

- badghysii *F. Sadat in Mitt. Bot. Staatssamml. München*, 28: 67 (1989)—Afghanistan.
- dieterlei *F. Sadat in Mitt. Bot. Staatssamml. München*, 28: 88 (1989)—Afghanistan.
- karakoricum *D. Podlech & F. Sadat in Mitt. Bot. Staatssamml. München*, 27: 65 (1988)—Pakistan.

**MATUCANA** (Cactac.).

- huagalensis (*Don. & Lau*) *R. Bregman, A. Meerstadt, P. Melis & A.B. Pullen in Succulenta*, 67(7-8): 155 (1988): Borzicactus huagalensis.
- intertexta
- var. celendinensis (*Ritt.*) *R. Bregman, A. Meerstadt, P. Melis & A.B. Pullen in Succulenta*, 67(5): 100 (1988): M. celendinensis.
- krahnii (*Donald*) *R. Bregman in Kakt. And. Sukk.*, 37(12): 253 (1986): Borzicactus krahnii.
- oreodoxa (*Ritter*) *Slaba in Kaktusy*, 22(6): 130 (1986); cf. *Rept. Pl. Succ. (I.O.S.)*, 37: 5 (1986 publ. 1988): Eomatucana oreodoxa.
- polzii *L. Diers, J.D. Donald & E. Zecher in Kakt. And. Sukk.*, 37(6): 118 (1986)—Peru.
- pupupatii (*Donald & Lau*) *R. Bregman in Willdenowia*, 17(1-2): 179 (1988): Borzicactus madisoniorum var. pupupatii.
- tuberculata (*Don.*) *R. Bregman, A. Meerstadt, P. Melis & A.B. Pullen in Succulenta*, 66(9): 175 (1987): Borzicactus tuberculatus.
- weberbaueri
- f. flammea (*Don.*) *R. Bregman, A. Meerstadt, P. Melis & A.B. Pullen in Succulenta*, 68(6): 143 (1989): Borzicactus weberbaueri var. flammeus.

**MAURANDYA** (Scrophulariac.).

- antirrhiniflora
- subsp. hederifolia (*Rothmaler*) *W.J. Elisens, Monogr. Maurandiyinae (Scrophulariac.-Antirrhin.) (Syst. Bot. Monogr., 5)*: 50 (1985): Maurandella hederifolia.

**MAURIA** (Anacardiace.).

- membranifolia *A. Barfod & L.B. Holm-Nielsen in Nordic J. Bot.*, 6(4): 423 (1986)—Ecuador.

**MAUSOLEA** Bunge ex D. Podlech in Fl. Iran., 158:

- 223 (1986). **COMPOSITAE.**
- eriocarpa (*Bunge*) *Poljak. ex D. Podlech in Fl. Iran.*, 158: 224 (1986): Artemisia eriocarpa.

**MAXILLARIA** (Orchidac.).

- ayantepuensis
- subsp. epiphytica *G. Carnevali & I. Ramirez in Ann. Missouri Bot. Gard.*, 76(2): 376 (1989)—Venezuela.
- chacoensis *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 531 (1989)—Ecuador.
- foldatsiana *G. Carnevali & I. Ramirez in Ann. Missouri Bot. Gard.*, 76(2): 376 (1989)—Venezuela.
- napoensis *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 540 (1989)—Ecuador.

**MAXILLARIA** :-

- nicaraguensis (*Hamer & Garay*) *J.T. Atwood in Selbyana*, 10(1): 60 (1987 publ. 1988): Neourbania nicaraguensis.
- rodrigueuziana *J.T. Atwood & Mora-Retana in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1361 (1989)—Panama, Costa Rica.
- santanai *G. Carnevali & I. Ramirez in Ann. Missouri Bot. Gard.*, 76(2): 377 (1989)—Venezuela.
- soconuscana *D.E. Breedlove & D. Mally in Amer. Orchid Soc. Bull.*, 58(12): 1234 (1989)—Mexico.
- suareziorum *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 547 (1989), as 'suarezorum'—Ecuador.
- valenzuelana
- subsp. angustata *J.T. Atwood in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1371 (1989)—Nicaragua, Honduras.

**MAXIMOVICZIA** A.P. Khokhryakov, Fl.

- Magadansk. Obl.: 73 (1985), nom. nov.: Scirpus sect. Japonici T. Koyama (Cyperac.).
- japonica (*Maxim.*) *A.P. Khokhryakov, Fl. Magadansk. Obl.*: 73 (1985): Eriophorum japonicum.

**MAXIMOWICZIELLA** A.P. Khokhryakov, Analiz

- Fl. Kolym'skogo Nagor'ya: 15 (1989), nom. nov.: gen. Maximoviczia A.P. Khokhryakov (Cyperac.).
- japonica (*Maxim.*) *A.P. Khokhryakov, Analiz Fl. Kolym'skogo Nagor'ya*: 15 (1989), without basionym ref.: Basionym not stated.

**MAYTENUS** (Celastrac.).

- drummondii *N.K.B. Robson & Sebsebe Demissew in Kew Bull.*, 42(2): 424 (1987)—Tanzania, Kenya, Madagascar.
- gibsonii (*Kurz*) *H.B. Naithani & S. Biswas in H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 94 (1990): Gymnosporia gibsonii.
- harenensis *Sebsebe Demissew in Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 1 (1989)—Ethiopia.
- huberi *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1062 (1988)—Venezuela.
- insculpta *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1063 (1988)—Venezuela.
- keniensis (*Loes.*) *N.K.B. Robson & Sebsebe Demissew in Kew Bull.*, 42(2): 423 (1987): Gymnosporia serrata var. keniensis.
- longistipitata *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1064 (1988)—Venezuela.
- neblinae *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1064 (1988)—Venezuela.
- nguruensis *N.K.B. Robson & Sebsebe Demissew in Kew Bull.*, 42(2): 426 (1987)—Tanzania.
- ocoensis *M.M. Mejia P. & T.A. Zanoni in Moscosoa*, 4: 112 (1986)—Hispaniola (Dominican Republic).
- officialis *D.J. Mabberley in Feddes Rept.*, 101(5-6): 274 (1990), nom. nov.: M. ilicifolia Reisseck.
- oleosa *A.E. van Wyk & R.H. Archer in S. Afr. J. Bot.*, 53(2): 155 (1987)—South Africa (Cape Province, Natal).
- pustulata *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1064 (1988)—Venezuela.
- richardsiae *N.K.B. Robson & Sebsebe Demissew in Kew Bull.*, 42(2): 427 (1987)—Tanzania.
- rufa
- var. latifolia (*Haines*) *H.B. Naithani & S. Biswas in H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 94 (1990): Gymnosporia rufa var. latifolia.

**MAZUS** (Scrophulariac.).

- xiuningensis *X.H. Guo & X.L. Liu in Acta Phytotax. Sin.*, 28(2): 163 (1990)—China.

**MECARDONIA** (Scrophulariac.).

- acuminata
- subsp. microphylla (*Raf.*) *R.A. Rossow in Candollea*, 42(2): 444 (1987): Ambulia rigida var. microphylla.
- subsp. peninsularis (*Pennell*) *R.A. Rossow in Candollea*, 42(2): 444 (1987): M. acuminata var. peninsularis.
- flagellaris (*Cham. & Schlecht.*) *R.A. Rossow in Candollea*, 42(2): 448 (1987): Herpestis flagellaris.
- subsp. radicata (*Benth.*) *R.A. Rossow in Candollea*, 42(2): 452 (1987): Herpestis radicata.
- pubescens *R.A. Rossow in Candollea*, 42(2): 463 (1987)—Brazil.



**MECARDONIA** :-

tenella

var. *microphylla* (Schmidt) R.A. Rossow in *Candollea*, 42(2): 470 (1987): Herpestis chamaedryoides  $\beta$  microphylla.

**MECONOPSIS** (Papaverac.).

pseudohorridula C.Y. Wu & H. Chuang in *Fl. Xizangica*, 2: 234 (1985)—Xizang.

quintuplinervia

var. *glabra* M.C. Wang & P.H. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 43 (1990)—China.

rebecca H.S. Debnath & M.P. Nayar in *J. Jap. Bot.*, 64(5): 157 (1989)—Nepal.

**MECRANIUM** (Melastomatac.).

neibense J.D. Skee in *Brittonia*, 39(2): 192 (1987)—Hispaniola (Dominican Republic).

revolutum J.D. Skee & W.S. Judd in *Brittonia*, 38(3): 230 (1986)—Hispaniola (Haiti).

**MEDICAGO** (Legumin.).

sect. *Buceras* (Ser.) E. Small in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 180 (1987): *Trigonella* sect. *Buceras*.

sect. *Geocarpa* E. Small in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 179 (1987).

sect. *Lunatae* (Boiss.) E. Small in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 180 (1987): *Trigonella Lunatae*.

sect. *Platycarpae* E. Small in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 180 (1987).

arenicola (Huber-Mor.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella arenicola*.

biflora (Griseb.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella biflora*.

carica (Huber-Mor.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella carica*.

citrina (Font Quer) W. Greuter in *Willdenowia*, 16(1): 112 (1986): M. arborea var. *citrina*.

crassipes (Boiss.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella crassipes*.

falcata

subsp. *glandulosa* (Koch) W. Greuter & Burdet in *Willdenowia*, 19(1): 32 (1989): M. falcata var. *glandulosa*.

halophila (Boiss.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella halophila*.

heldreichii E. Small in *Willdenowia*, 16(2): 434 (1987), nom. nov.: *Trigonella polycarpa* Boiss. & Heldr.

huberi E. Small in *Willdenowia*, 16(2): 434 (1987), nom. nov.: *Trigonella sirjaevii* Huber-Mor.

isthmocarpa (Boiss. & Bal.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella isthmocarpa*.

italica

subsp. *striata* (Bast.) W. Greuter & Burdet in *Willdenowia*, 19(1): 32 (1989): M. striata.

medicaginoides (Retz.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Lotus medicaginoides*.

monantha

subsp. *noeana* (Boiss.) W. Greuter & Burdet in *Willdenowia*, 19(1): 32 (1989): *Trigonella noeana*.

pamphylica (Huber-Mor. & Sirj.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Trigonella pamphylica*.

persica (Boiss.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Trigonella persica*.

phrygia (Boiss. & Bal.) E. Small in *Willdenowia*, 16(2): 433 (1987): *Trigonella phrygia*.

polyceratia

subsp. *amandiana* (Samp.) W. Greuter & Burdet in *Willdenowia*, 19(1): 32 (1989): *Trigonella amandiana*.

polymorpha

var. *confinis* (Koch) N. Diklić in *Fl. SR Srbije*, 10: 115 (1986): M. hispida var. *confinis*.

subsp. *polycarpa* (Willd.) C. Romero Zarco in *Lagascalia*, 14(1): 146 (1986): M. polycarpa.

retrorsa (Boiss.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Trigonella retrorsa*.

rhytidocarpa (Boiss. & Bal.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Trigonella rhytidocarpa*.

rigida (Boiss. & Bal.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Trigonella rigida*.

**MEDICAGO** :-

rostrata (Boiss. & Bal.) E. Small in *Willdenowia*, 16(2): 434 (1987): *Pocockia rostrata*.

sativa

var. *integrifolia* C.W. Chang in *Fl. Tsinlingensis*, 1(3): 444, 25 (1981)—China.

syriaca E. Small in *Canad. J. Bot.*, 68(7): 1476 (1990)—Syria.

tornata

subsp. *striata* (Bast.) M. Kerguelen in *Lejeunia*, 120: 127 (1987): M. striata.

**MEDINILLA** (Melastomatac.).

allantocalyx J.C. Regalado in *Blumea*, 35(1): 30 (1990)—Borneo (Sarawak).

amplectens J.C. Regalado in *Blumea*, 35(1): 47 (1990)—Borneo (Sabah, Kalimantan, Sarawak).

atroviridis J.C. Regalado in *Blumea*, 35(1): 25 (1990)—Borneo (Sarawak, Kalimantan).

beamanii J.C. Regalado in *Blumea*, 35(1): 29 (1990)—Borneo (Sabah).

botryocarpa J.C. Regalado in *Blumea*, 35(1): 33 (1990)—Borneo (Sarawak, Sabah, Kalimantan, Brunei).

capillipes J.C. Regalado in *Blumea*, 35(1): 61 (1990)—Borneo (Sarawak).

clemensiana J.C. Regalado in *Blumea*, 35(1): 25 (1990)—Borneo (Sabah).

corneri J.C. Regalado in *Blumea*, 35(1): 27 (1990)—Borneo (Sabah).

cuneata (Thw.) K. Bremer & R. Lundin in M.D. Dassanayake & F.R. Fosberg, eds., *Revised Handb. Fl. Ceylon*, 6: 202 (1988): M. maculata var. *cuneata*.

danumensis J.C. Regalado in *Blumea*, 35(1): 27 (1990)—Borneo (Sabah).

endertii J.C. Regalado in *Blumea*, 35(1): 52 (1990)—Borneo (Kalimantan, Sarawak).

formanii J.C. Regalado in *Blumea*, 35(1): 56 (1990)—Borneo (Kalimantan, Brunei).

fragilis J.C. Regalado in *Blumea*, 35(1): 30 (1990)—Borneo (Sarawak).

gracilis J.F. Veldkamp in *Blumea*, 33(2): 509 (1988)—New Guinea (W. Irian).

kemulensis J.C. Regalado in *Blumea*, 35(1): 57 (1990)—Borneo (Kalimantan).

kinabaluensis J.C. Regalado in *Blumea*, 35(1): 21 (1990)—Borneo (Sabah).

latericia J.C. Regalado in *Blumea*, 35(1): 31 (1990)—Borneo (Sarawak).

montisaping J.C. Regalado in *Blumea*, 35(1): 38 (1990)—Borneo (Sarawak).

myrmecorhiza J.C. Regalado in *Blumea*, 35(1): 44 (1990)—Borneo (Brunei, Kalimantan, Sabah, Sarawak).

pedunculosa Ohwi ex J.C. Regalado in *Blumea*, 35(1): 31 (1990)—Borneo (Kalimantan).

quadralata Ohwi ex J.C. Regalado in *Blumea*, 35(1): 43 (1990)—Borneo (Sabah, Kalimantan, Sarawak).

richardsii J.C. Regalado in *Blumea*, 35(1): 36 (1990)—Borneo (Sarawak).

rubrifrons J.C. Regalado in *Blumea*, 35(1): 23 (1990)—Borneo (Sabah, Kalimantan).

rufescens J.C. Regalado in *Blumea*, 35(1): 51 (1990)—Borneo (Sarawak).

rufopilosa Ohwi ex J.C. Regalado in *Blumea*, 35(1): 53 (1990)—Borneo (Sarawak, Kalimantan).

salicina Ohwi ex J.C. Regalado in *Blumea*, 35(1): 41 (1990)—Borneo (Sarawak, Kalimantan).

sandakanensis J.C. Regalado in *Blumea*, 35(1): 63 (1990)—Borneo (Sabah).

sessiliflora J.C. Regalado in *Blumea*, 35(1): 36 (1990)—Borneo (Sarawak, Kalimantan).

subauriculata J.C. Regalado in *Blumea*, 35(1): 41 (1990)—Borneo (Sarawak, Kalimantan).

suberosa J.C. Regalado in *Blumea*, 35(1): 45 (1990)—Borneo (Sabah).

**MEDIOCALCAR** (Orchidac.).

decoratum A. Schuiteman in *Blumea*, 34(1): 167 (1989)—New Guinea (Papua New Guinea, W. Irian).

subteres A. Schuiteman in *Blumea*, 34(1): 171 (1989)—New Guinea (Papua New Guinea, W. Irian).

**MEDIOLOBIVIA** (Cactac.).

spiralispala B. Schütz in *Kaktusy (Brno)*, 11(3): 51 (1975)—Argentina.

**MEDIUSELLA** (Cavaco) L.J. Dorr in *Ann. Missouri*

Bot. Gard., 73(4): 828 (1986 publ. 1987): *Leptolaena* subgen. *Mediusella* (Sarcolaenac.).

bernieri (Bailion) L.J. Dorr in *Ann. Missouri Bot. Gard.*, 73(4): 828 (1986 publ. 1987): *Leptolaena bernieri*.

**MEEHANIA** (Labiata.).

fargesii

var. *obtusata* T. Chen in *Acta Bot. Yunnanica*, 12(3): 254 (1990)—China.

urticifolia

f. *rosea* J. Ohara in *J. Phytogeogr. Taxon.*, 33(2): 72 (1985)—Japan.

**MEGALOCHELAMYS** (Acanthac.).

sect. *Laevigatae* K. Vollesen in *Kew Bull.*, 44(4): 607 (1989).

sect. *Verrucosae* K. Vollesen in *Kew Bull.*, 44(4): 635 (1989).

hamata (Klotzsch) K. Vollesen in *Kew Bull.*, 44(4): 622 (1989): *Blechnum hamatum*.

kenyensis K. Vollesen in *Kew Bull.*, 44(4): 625 (1989)—Kenya, Uganda.

subsp. *australis* K. Vollesen in *Kew Bull.*, 44(4): 626 (1989)—South Africa (Transvaal).

ogadenensis K. Vollesen in *Kew Bull.*, 44(4): 612 (1989)—Somali Republic, Ethiopia.

revoluta (Lindau) K. Vollesen in *Kew Bull.*, 44(4): 616 (1989): *revoluta*.

subsp. *cognata* (N.E. Br.) K. Vollesen in *Kew Bull.*, 44(4): 619 (1989): *Ecobolium cognatum*.

subsp. *nyanzae* K. Vollesen in *Kew Bull.*, 44(4): 621 (1989)—Kenya, Tanzania.

tanaensis K. Vollesen in *Kew Bull.*, 44(4): 637 (1989)—Kenya.

tanzaniensis K. Vollesen in *Kew Bull.*, 44(4): 611 (1989)—Tanzania.

trinervia (C.B. Clarke) K. Vollesen in *Kew Bull.*, 44(4): 635 (1989): *Ecobolium trinervium*.

violacea (Vahl) K. Vollesen in *Kew Bull.*, 44(4): 608 (1989): *Dianthera violacea*.

**MELALEUCA** (Myrtac.).

acacioides

subsp. *alsophila* (Cunn. ex Benth.) B.A. Barlow in *Brunonia*, 9(2): 167 (1987): M. alsophila.

adenostyla K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 171 (1990)—Australia (W. Australia).

apostiba K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 182 (1990)—Australia (W. Australia).

armillaris

subsp. *akineta* F.C. Quinn in *Austral. Syst. Bot.*, 3(2): 188 (1990)—Australia (S. Australia).

bromelioides B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 112 (1988)—Australia (W. Australia).

calycina

subsp. *dempta* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 104 (1988)—Australia (W. Australia).

camptoclada F.C. Quinn in *Austral. Syst. Bot.*, 3(2): 199 (1990)—Australia (W. Australia).

citrolens B.A. Barlow in *Brunonia*, 9(2): 168 (1987)—Australia (Queensland, N. Terr.).

coccinea

subsp. *eximia* K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 179 (1990)—Australia (W. Australia).

subsp. *penicula* K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 178 (1990)—Australia (W. Australia).

ctenoides F.C. Quinn in *Austral. Syst. Bot.*, 3(2): 194 (1990)—Australia (W. Australia).

fulgens

subsp. *corrugata* (J. Black ex Eardley) K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 174 (1990): M. corrugata.

subsp. *steadmanii* (C. Gardner) K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 172 (1990): M. steadmanii.

halmaturorum

subsp. *cymbifolia* (Benth.) B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 102 (1988): M. cymbifolia.

haplantha B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 105 (1988)—Australia (W. Australia).

lanceolata

subsp. *occidentalis* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 121 (1988)—Australia (W. Australia).

subsp. *planifolia* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 119 (1988)—Australia (W. Australia).

**MELALEUCA** :-

- subsp. thaeoides* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 121 (1988)—Australia (W. Australia, S. Australia).
- lecanantha* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 113 (1988)—Australia (W. Australia).
- macronychia*
- subsp. trygonoides* K.J. Cowley in *Austral. Syst. Bot.*, 3(2): 180 (1990)—Australia (W. Australia).
- minutifolia*
- subsp. monantha* B.A. Barlow in *Brunonia*, 9(2): 176 (1987)—Australia (Queensland).
- obliqua* De Vriese, *Hort. Spaarn-Berg.*: 119 (1839); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.
- pauperiflora*
- subsp. fastigiata* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 109 (1988)—Australia (W. Australia).
- subsp. mutica* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 109 (1988)—Australia (S. Australia).
- quinquenervia*
- var. rubriflora* (Vieill. ex Brongn. & Gris) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et *Syst. Fl. Neu-Caledonien*, 5: 97 (May 1989), with basionym ref., basionym as 'M. leucadendron auct. non L. var. rubriflora': M. viridiflora var. rubriflora.
- sciostostyla* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 102 (1988)—Australia (W. Australia).
- strobophylla* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 116 (1988)—Australia (W. Australia).
- subalaris* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 106 (1988)—Australia (W. Australia).
- tamariscina*
- subsp. irbyana* (R. Baker) B.A. Barlow in *Brunonia*, 9(2): 173 (1987): M. irbyana.
- subsp. pallescens* (Byrnes) B.A. Barlow in *Brunonia*, 9(2): 173 (1987): M. pallescens.
- teuthidoides* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 110 (1988)—Australia (W. Australia).
- torquata* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 110 (1988)—Australia (W. Australia).
- xerophila* B.A. Barlow in *Austral. Syst. Bot.*, 1(2): 122 (1988)—Australia (W. Australia, S. Australia).

**MELAMPODIUM** (Compos.).

- northingtonii* B.L. Turner in *Phytologia*, 64(6): 445 (1988)—Mexico.

**MELAMPYRUM** (Scrophulariac.).

- laxum*
- f. edentatum* (Tuyama) T. Yamazaki in *J. Jap. Bot.*, 64(4): 123 (1989): M. australe f. edentatum.
- yezouense* T. Yamazaki in *J. Jap. Bot.*, 64(4): 121 (1989)—Japan.

**MELANDRIUM** (Caryophyllac.).

- alaskanicum* (Maxim.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 588 (1985): *Lychnis alaskanicum*.
- auritipetalum* Y.Z. Zhao & P. Ma in *Acta Phytotax. Sin.*, 27(3): 225 (1989)—China.
- firmum*
- var. pubescens* (Makino) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 585 (1985): M. firmum f. pubescens.
- himalayense* (Rohrb.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 585 (1985): M. apetalum var. himalayense.
- orientalimongolicum* (Fu. Kozhev.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 586 (1985): *Silene orientalimongolica*.
- physocalycinum* Haussknecht & Bornmüller in *Bull. Herb. Boiss.*, 7(2): 115 (1899)—Iraq.†
- saxosum* A.P. Khokhryakov in *Byull. Mosk. Obshch. Ispyt. Prir.*, 94(6): 95 (1989)—U.S.S.R. (Caucasus).
- verrucosolatum* Y.Z. Zhao & P. Ma in *Acta Phytotax. Sin.*, 27(3): 227 (1989), as 'verrucoso-alatum'—China.

**MELANOLOMA** (Compos.).

- atlantis* (Maire & Weiller) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 8 (1982): *Centaurea atlantis*.

**MELANOLOMA** :-

- gattefossei* (Maire) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 6 (1982): *Centaurea gattefossei*.
- takredense* (Cosson ex Maire) J. Fernández Casas & A. Susanna de la Serna in *Fontqueria*, 1: 4 (1982): *Centaurea takredensis*.

**MELANOSPERMUM** O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 482 (1988 publ. 1989). SCROPHULARIACEAE.

- foliosum* (Benth.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 482 (1988 publ. 1989): *Polycarena foliosa*.
- italae* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 482 (1988 publ. 1989)—South Africa (Natal), Swaziland.
- rudolfii* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 483 (1988 publ. 1989)—South Africa (Transvaal).
- rupestre* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 483 (1988 publ. 1989): *Phyllopodium rupestre*.
- swazicum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 483 (1988 publ. 1989)—Swaziland.
- transvaalense* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 483 (1988 publ. 1989): *Polycarena transvaalensis*.

**MELASMA** (Scrophulariac.).

- brevipedicellatum* S. Lisowski & R. Mielcarek in *Fragm. Flor. Geobot.*, 29(2): 215 (1983 publ. 1985)—Zaire.

**MELASTOMA** (Melastomatac.).

- pentapetalum* (Toyoda) T. Yamazaki & Toyoda in *J. Jap. Bot.*, 62(4): 118 (1987): M. tetramerum var. *pentapetalum*.

**MELICA** (Gramin.).

- atrovirens* (Thuill.) Le Turquier de Longchamp, *Fl. Environs de Rouen, Suppl.*: 14 (1825): *Aira atrovirens*.
- bocquetii* S. Talavera in *Lagascalia*, 14(1): 118 (1986)—Spain.
- caerulea* Lamarck, *Tabl. Encycl. Méth. Bot.*, 1: 180 (1791)—Locality not stated.
- glabrescens* (M.A. Torres) M.A. Torres in *Op. Lilloana*, 29: 61 (1980): M. violacea var. *glabrescens*.
- latifolia* Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 117 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.
- montana* Lamarck, *Tabl. Encycl.*, 1: 179 (1791)—Europe.
- nutans*
- subsp. grandiflora* (Koidzumi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 515 (1987): M. *grandiflora*.
- sarmentosa*
- var. monticola* M.A. Torres in *Op. Lilloana*, 29: 21 (1980)—Argentina.

**MELICOPE** (Rutac.).

- adscendens* (St. John & Hume) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 120 (1989): *Pelea adscendens*.
- anisata* (H. Mann) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea anisata*.
- balloui* (Rock) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea balloui*.
- capillacea* (Gillespie) A.C. Smith in *Fl. Vitiensis Nova*, 3: 506 (1985): *Euodia capillacea*.
- christophersenii* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea christophersenii*.
- cinereops* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 120 (1989): *Pelea cinereops*.
- clusiifolia* (A. Gray) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea clusiaefolia*.
- cruciata* (Heller) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea cruciata*.
- cucullata* (Gillespie) A.C. Smith in *Fl. Vitiensis Nova*, 3: 502 (1985): *Euodia cucullata*.
- var. robustior* (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 502 (1985): *Euodia cucullata* var. *robustior*.
- degeneri* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea degeneri*.

**MELICOPE** :-

- elleryana* (F. Muell.) T.G. Hartley in *Telopea*, 4(1): 34 (1990): *Euodia elleryana*.
- evansensis* (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 505 (1985): *Euodia evansensis*.
- fatuhivensis* (F. Brown) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 123 (1989): *Pelea fatuhivensis*.
- feddei* (Léveillé) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea feddei*.
- haleakalae* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea haleakalae*.
- haupuensis* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 120 (1989): *Pelea haupuensis*.
- hawaiensis* (Wawra) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea hawaiensis*.
- hayesii* T.G. Hartley in *Telopea*, 4(1): 33 (1990)—Australia (Queensland, New South Wales).
- hiiake* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea hiiake*.
- honoluluensis* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea honoluluensis*.
- inopinata* J. Florence in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 30 (1990)—Marquesas Is.
- kaalaensis* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea kaalaensis*.
- kavaensis* (H. Mann) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea kavaensis*.
- knudsenii* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea knudsenii*.
- lakae* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea lakae*.
- littoralis* (Endl.) T.G. Hartley ex P.S. Green in *Kew Bull.*, 45(2): 250 (1990): *Euodia littoralis*.
- lohiauana* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea lohiauana*.
- lydgatei* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea lydgatei*.
- macropus* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea macropus*.
- makahae* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea makahae*.
- mauii* T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989), nom. nov.: *Pelea parvifolia* Hillebr.
- micrococca* (F. Muell.) T.G. Hartley in *Telopea*, 4(1): 34 (1990): *Euodia micrococca*.
- molokaiensis* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea molokaiensis*.
- mucronulata* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea mucronulata*.
- munroi* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea munroi*.
- nealae* (B.C. Stone) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea nealae*.
- nukuhivensis* (F. Brown) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 123 (1989): *Pelea nukuhivensis*.
- oahuensis* (Léveillé) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea oahuensis*.
- obovata* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea obovata*.
- orbicularis* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea orbicularis*.
- ovalis* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea ovalis*.
- ovata* (St. John & Hume) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea ovata*.
- pallida* (Hillebr.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea pallida*.
- paniculata* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea paniculata*.
- peduncularis* (Léveillé) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea peduncularis*.
- polybotrya* (C. Moore & F. Muell.) T.G. Hartley ex P.S. Green in *Kew Bull.*, 45(2): 250 (1990): *Euodia polybotrya*.
- pseudoanisata* (Rock) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea pseudoanisata*.
- puauluensis* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 123 (1989): *Pelea puauluensis*.
- puberula* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea puberula*.
- quadrangularis* (St. John & Hume) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea quadrangularis*.
- radiata* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea radiata*.
- reflexa* (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea reflexa*.

**MELICOPE** :-

- revoluta *J. Florence in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 32 (1990)—Marquesas Is.
- rotundifolia (A. Gray) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea rotundifolia*.
- saint-johnii (Hume) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Pelea saint-johnii*.
- sandwicensis (Hook. & Arn.) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 121 (1989): *Brunellia sandwicensis*.
- seemannii (Gillespie) A.C. Smith in *Fl. Vitiensis Nova*, 3: 501 (1985): *Euodia seemannii*.
- vitiensis (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 503 (1985): *Euodia vitiensis*.
- var. minor (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 505 (1985): *Euodia vitiensis* var. minor.
- vitiflora (F. Muell.) T.G. Hartley in *Telopea*, 4(1): 34 (1990): *Euodia vitiflora*.
- volcanica (A. Gray) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea volcanica*.
- waialealae (Wawra) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea waialealae*.
- wailaensis (St. John) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea wailaensis*.
- wawraeana (Rock) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea wawraeana*.
- zahlbruckneri (Rock) T.G. Hartley & B.C. Stone in *Taxon*, 38(1): 122 (1989): *Pelea zahlbruckneri*.

**MELICYTUS** (Violac.).

- alpinus (Kirk) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 127 (1987): *Hymenanthera dentata* var. alpina.
- angustifolius (DC.) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 127 (1987): *Hymenanthera angustifolia*.
- chathamensis (F. Muell.) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 127 (1987): *Hymenanthera latifolia* var. chathamensis.
- crassifolius (Hook. f.) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 128 (1987): *Hymenanthera crassifolia*.
- obovatus (Kirk) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 128 (1987): *Hymenanthera obovata*.

**MELIENTHA** (Opiliac.).

- longistaminea W.Z. Li in *Acta Bot. Yunnanica*, 11(4): 407 (1989)—China.

**MELILOTIDES** (Legumin.).

- archiducis-nicolai (Sirj.) G.P. Yakovlev in *Rast. Tsentral. Azii*, 8a: 86 (1988): *Medicago archiducis-nicolai*.
- platycarpus
- var. karkarensis (Semen. ex Vass.) G.P. Yakovlev in *Rast. Tsentral. Azii*, 8a: 88 (1988): *Trigonella karkarensis*.
- pubescens (Edgew. ex Baker) G.P. Yakovlev in *Rast. Tsentral. Azii*, 8a: 88 (1988): *Trigonella pubescens*.
- ruthenica
- var. inschanica (H.C. Fu & Y.Q. Jiang) H.C. Fu & Y.Q. Jiang in *Fl. Intramongolica*, Ser. 2, 3: 196 (1989): *Pocockia ruthenica* var. inschanica.
- var. liaosiensis (P.Y. Fu & Y.A. Chen) H.C. Fu & Y.Q. Jiang in *Fl. Intramongolica*, Ser. 2, 3: 195 (1989): *Pocockia liaosiensis*.
- var. oblongifolia (Fr.) H.C. Fu & Y.Q. Jiang in *Fl. Intramongolica*, Ser. 2, 3: 195 (1989), without basionym ref.: Basionym not stated.
- tibetica (Vass.) G.P. Yakovlev in *Rast. Tsentral. Azii*, 8a: 89 (1988): *Trigonella tibetica*.

**MELILOTUS** (Legumin.).

- graeca (Boiss. & Spruner) P. Lassen in *Willdenowia*, 16(2): 445 (1987): *Pocockia graeca*.
- hamosa (Bieb.) Besser ex Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1821: 3 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983): Basionym not stated.

**MELINIA** (Asclepiadac.).

- iberica J.L. Fontana in *Folia Bot. Geobot. Correntesiana*, 4: 1 (1990)—Argentina.

**MELINIS** (Gramin.).

- sect. Acutiglumae G. Zizka, *Revis. Melinideae Hitchcock*: 199 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 116 (1988).

**MELINIS** :-

- sect. Drakensbergenses G. Zizka, *Revis. Melinideae Hitchcock*: 182 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 106 (1988).
- sect. Gossweileri G. Zizka, *Revis. Melinideae Hitchcock*: 179 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 104 (1988).
- sect. Reynaudiopsis G. Zizka, *Revis. Melinideae Hitchcock*: 186 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 108 (1988).
- sect. Roseae (Stapf & C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 84 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 53 (1988): *Rhynchelytrum* sect. Roseae.
- sect. Setifoliae (Stapf & C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 190 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 110 (1988): *Rhynchelytrum* sect. Setifoliae.
- sect. Tanatrichae (Stapf & C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 205 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 120 (1988): *Rhynchelytrum* sect. Tanatrichae.
- sect. Trachytrophae (Stapf & C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 121 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 72 (1988): *Rhynchelytrum* sect. Trachytrophae.
- sect. Trichocraspedae (Stapf & C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 214 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 124 (1988): *Rhynchelytrum* sect. Trichocraspedae.
- ambigua
- subsp. longicauda (Mez) G. Zizka, *Revis. Melinideae Hitchcock*: 152 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 90 (1988): *Panicum longicaudum*.
- amethystea (Franchet) G. Zizka, *Revis. Melinideae Hitchcock*: 199 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 116 (1988): *Tricholaena amethystea*.
- kallimorpha (W.D. Clayton) G. Zizka, *Revis. Melinideae Hitchcock*: 110 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 64 (1988): *Rhynchelytrum* kallimorpha.
- longiseta (A. Richard) G. Zizka, *Revis. Melinideae Hitchcock*: 124 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 73 (1988): *Tricholaena longiseta*.
- subsp. bellespicata (Rendle) G. Zizka, *Revis. Melinideae Hitchcock*: 130 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 78 (1988): *Tricholaena bellespicata*.
- nerviglumis (Franchet) G. Zizka, *Revis. Melinideae Hitchcock*: 190 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 111 (1988): *Tricholaena nerviglumis*.
- repens (Willdenow) G. Zizka, *Revis. Melinideae Hitchcock*: 86 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 55 (1988): *Saccharum repens*.
- subsp. grandiflora (Hochstetter) G. Zizka, *Revis. Melinideae Hitchcock*: 101 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 60 (1988): *Rhynchelytrum grandiflorum*.
- subsp. maroccana (Maire & Samuelsson) G. Zizka, *Revis. Melinideae Hitchcock*: 107 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 62 (1988): *Tricholaena maroccana*.
- subsp. nigricans (Mez) G. Zizka, *Revis. Melinideae Hitchcock*: 109 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 64 (1988): *M. nigricans*.
- reynaudioides (C.E. Hubbard) G. Zizka, *Revis. Melinideae Hitchcock*: 186 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 108 (1988): *Rhynchelytrum reynaudioides*.
- rupicola (Rendle) G. Zizka, *Revis. Melinideae Hitchcock*: 210 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 124 (1988): *Tricholaena rupicola*.
- tanatricha (Rendle) G. Zizka, *Revis. Melinideae Hitchcock*: 206 (1987), ineffective publ.; in *Biblioth. Bot.*, 138: 122 (1988): *Tricholaena tanatricha*.

**MELIOSMA** (Meliosmac.).

- caldasii J.M. Idrobo in *Mutisia*, 72: 2 (1988)—Colombia.
- caucana J. Cuatrecasas & J.M. Idrobo in *Ernstia*, 49: 8 (1988)—Colombia.
- corymbosa A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 821 (1986 publ. 1987)—Nicaragua.
- cundinamarcensis J. Cuatrecasas & J.M. Idrobo in *Ernstia*, 49: 12 (1988)—Colombia.

**MELIOSMA** :-

- cuneifolia
- var. multinervia (Beus.) Law ex C.Y. Chang in *Fl. Sichuanica*, 4: 172 (1988): *M. dilleniifolia* var. multinervia.
- echeverryana J. Cuatrecasas in *Phytologia*, 64(6): 489 (1988)—Colombia.
- hartshornii A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 820 (1986 publ. 1987)—Costa Rica.
- lauri
- var. megaphylla H.W. Li ex S.K. Chen in *Fl. Yunnanica*, 4: 308 (1986)—China.
- lindae J. Cuatrecasas in *Phytologia*, 64(6): 491 (1988)—Colombia.
- martana J.M. Idrobo & J. Cuatrecasas in *Ernstia*, 49: 11 (1988)—Colombia.
- nanarum A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 821 (1986 publ. 1987)—Nicaragua.
- oldhamii
- var. hachijoensis (Nakai) Jotani & H. Ohba in *J. Jap. Bot.*, 64(11): 327 (1989): *M. hachijoensis*.
- peytonii A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 822 (1986 publ. 1987)—Peru.
- solomonii A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 823 (1986 publ. 1987)—Bolivia.
- thomsonii
- var. trichocarpa (Hand.-Mazz.) C.Y. Wu & S.K. Chen in *Fl. Yunnanica*, 4: 306 (1986): *M. trichocarpa*.
- vasquezii A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(4): 823 (1986 publ. 1987)—Peru.
- wurdackii J. Cuatrecasas in *Phytologia*, 64(6): 492 (1988)—Peru.
- xichouensis H.W. Li ex S.K. Chen in *Fl. Yunnanica*, 4: 312 (1986)—China.
- yunnanensis
- var. fischeriana (Rehd. & Wils.) C.Y. Chang in *Fl. Sichuanica*, 4: 167 (1988): *M. fischeriana*.

**MELISSITUS** (Legumin.).

- liaosiensis (P.Y. Fu & Y.A. Chen) P.Y. Fu & Y.A. Chen in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 901 (1988), isonym; see G.P. Yakovlev in *Novosti Sist. Vyssh. Rast.*, 16: 138 (1979): *Pocockia liaosiensis*.
- ruthenica (L.) C.W. Chang in *Fl. Tsinlingensis*, 1(3): 23 (1981): *Trigonella ruthenica*.
- var. inschanica (H.C. Fu & Y.C. Tsiang) H.C. Fu & Y.C. Tsiang in *Acta Sci. Nat. Univ. Intramongolicae*, 18(2): 391 (1987): *Pocockia ruthenica* var. inschanica.
- var. liaosiensis (P.Y. Fu & Y.A. Chen) X.P. Jiang in *Fl. Beijing*, 1: 429 (1984), without basionym ref.: *Pocockia liaosiensis*.
- var. liaosiensis (P.Y. Fu & Y.A. Chen) H.C. Fu & Y.C. Tsiang in *Acta Sci. Nat. Univ. Intramongolicae*, 18(2): 391 (1987): *Pocockia liaosiensis*.
- var. oblongifolius (Fr.) H.C. Fu & Y.C. Tsiang in *Acta Sci. Nat. Univ. Intramongolicae*, 18(2): 391 (1987): *Trigonella ruthenica* f. oblongifolia.

**MELLA** (Scrophulariac.).

- beccabunga (Griseb.) N.N. Tsvelev in *Bot. Zhurn.*, 72(12): 1665 (1987): *Herpestis beccabunga*.
- sessiliflora (Benth.) N.N. Tsvelev in *Bot. Zhurn.*, 72(12): 1665 (1987): *Herpestis sessiliflora*.
- stemodioides (Penn.) N.N. Tsvelev in *Bot. Zhurn.*, 72(12): 1665 (1987): *Caenapea stemodioides*.

**MELOCACTUS** (Cactac.).

- azureus
- var. krainzianus (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 94 (1988): *M. krainzianus*.
- deinacanthus
- subsp. florschuetzianus (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 94 (1988): *M. florschuetzianus*.
- subsp. longicarpus (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 94 (1988): *M. longicarpus*.
- f. mulequensis (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 94 (1988): *M. mulequensis*.
- diersianus
- f. rubrispinus (Ritter) P.J. Braun in *Bradleya*, 6: 94 (1988): *M. rubrispinus*.
- estesvii P.J. Braun in *Kakt. And. Sukk.*, 41(1): 9 (1990 publ. 1989)—Brazil.
- lanssensianus P.J. Braun in *Succulenta*, 65(2): 26 (1986)—Brazil.

**MELOCACTUS** :-

- oreas**  
*f. azulensis* (Buining et al.) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *azulensis*.  
*subsp. cremnophilus* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *cremnophilus*.  
*subsp. ernstii* (Vaupel) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *ernstii*.  
*f. erythracanthus* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *erythracanthus*.  
*var. longispinus* (Buining et al.) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *longispinus*.  
*subsp. rubrisaetosus* (Buining et al.) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *rubrisaetosus*.  
**pruinosis**  
*var. concinnus* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 95 (1988): M. *concinnus*.  
**rustii**  
*subsp. cintalapensis* J. Elizondo E. in *Cact. Suc. Mex.*, 31(3): 54 (1986)—Mexico.  
*subsp. maxonii* (Rose) J. Elizondo E. in *Cact. Suc. Mex.*, 31(3): 53 (1986): Cactus *maxonii*.  
*subsp. oaxacensis* (Britton & Rose) J. Elizondo E. in *Cact. Suc. Mex.*, 31(3): 52 (1986): Cactus *oaxacensis*.  
*subsp. sanctae-rosae* (L.D. Gómez) J. Elizondo E. in *Cact. Suc. Mex.*, 31(3): 54 (1986): M. *maxonii* var. *sanctae-rosae*.  
**zehntneri**  
*subsp. canescens* (Ritter) P.J. Braun in *Bradleya*, 6: 98 (1988): M. *canescens*.  
*var. curvicornis* (Buining & Brederoo) P.J. Braun in *Bradleya*, 6: 98 (1988): M. *curvicornis*.  
*subsp. robustispinus* (Buining et al.) P.J. Braun in *Bradleya*, 6: 98 (1988): M. *robustispinus*.

**MELOCALAMUS** (Gramin.).

- arrectus* T.P. Yi in *Acta Bot. Yunnanica*, 10(4): 440 (1988)—China.  
*indicus* R.B. Majumder in *Bull. Bot. Surv. India*, 25(1-4): 236 (1983 publ. 1985)—Assam, India.

**MELOCHIA** (Sterculiac.).

- diffusa* Colla, *Hort. Rip.*: 88 (1824); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.  
*oaxacana* L.J. Dorr & L.C. Barnett in *Brittonia*, 41(4): 420 (1989)—Mexico.  
*spicata* (L.) P.A. Fryxell, *Malvac. of Mexico* (Syst. Bot. Monog., 25): 457 (1988): *Malva spicata*.

**MELODINUS** (Apocynac.).

- hemsleyanus**  
*var. bachthaiensis* Trần Đình Lý in *Feddes Repert.*, 97(7-8): 413 (1986), without latin descr.—Vietnam.

**MELOLOBIUM** (Legumin.).

- involutum* (Thunb.) C.H. Stirton in *S. Afr. J. Bot.*, 52(4): 355 (1986), as '(Harv.)': *Psoralea involutata*.

**MELOTHRIA** (Cucurbitac.).

- javanica**  
*var. scabra* (Chakravarty) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 179 (1990): M. *assamica* var. *scabra*.

**MEMECYLON** (Melastomatac.).

- arnhemensis* T. Whiffin in *Fl. Australia*, 18: 325, 255 (1990)—Australia (N. Terr.).  
*hylandii* T. Whiffin in *Fl. Australia*, 18: 325, 255 (1990)—Australia (Queensland).  
*randeriana* S.M. Almeida & M.R. Almeida in *J. Bombay Nat. Hist. Soc.*, 85(3): 521 (1988 publ. 1989), nom. nov.: M. *malabaricum* Cogn.  
**umbellatum**  
*var. contractum* (Haines) D.M. Verma in *D.M. Verma, P.C. Pant & M.I. Hanfi, Fl. Raipur, Durg & Rajnandgaon*: 148 (1985): M. *edule* var. *contractum*.

**MENDONCIA** (Acanthac.).

- antioquiensis* D.C. Wasshausen in *Brittonia*, 41(4): 331 (1989)—Colombia.  
*coriacea* D.C. Wasshausen in *Ann. Missouri Bot. Gard.*, 76(4): 1123 (1989)—Venezuela.

**MENDONCIA** :-

- neblinensis* D.C. Wasshausen in *Ann. Missouri Bot. Gard.*, 76(4): 1120 (1989)—Venezuela.  
*rizziniana* S.R. Profice in *Rev. Brasil. Biol.*, 48(2): 397 (1988)—Brazil.  
*steyermarkii* D.C. Wasshausen in *Ann. Missouri Bot. Gard.*, 76(4): 1120 (1989)—Venezuela.  
*williamsii* D.C. Wasshausen in *Ann. Missouri Bot. Gard.*, 76(4): 1121 (1989)—Venezuela.  
*zarucchi* D.C. Wasshausen in *Brittonia*, 41(4): 331 (1989)—Colombia.

**MENISPERMUM** (Menispermac.).

- acutum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 892 (1784)—Japan.†  
*japonicum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 892 (1784)—Japan.†  
*platyphyllum* (St. Hil.) Mart., *Consp. Reg. Veg.*: 42 (1835); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.  
*trilobum* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 892 (1784)—Japan.†

**MENONVILLEA** (Crucif.).

- rollinsii* J.A. Al-Shehbaz & C. Marticorena in *J. Arnold Arbor.*, 71(1): 135 (1990)—Chile.

**MENTHA** (Labiata.).

- aquatica**  
*var. subdentata* R. Jančić in *Glasn. Priro. Muz. Beogradu*, B, 39: 33 (1984)—Yugoslavia.  
*cinerea* P. Baltasar Merino, *Algunas Pl. Rar. ... de La Guardia* (Pontevedra): 28 (1895)—Spain.†  
**haplocalyx**  
*f. alba* X.L. Liu & X.H. Guo in *Guihaia*, 9(4): 301 (1989)—China.  
*mozaffarianii* Z. Jamzad in *Iranian J. Bot.*, 3(2): 114 (1987)—Iran.  
*pallida* Nees ex Mart., *Hort. Acad. Erlangen*: 121 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.  
**×piperita**  
*var. ouweneelii* J. Lebeau & J. Lambinon in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 22: 21 (1986-87 publ. 1988)—Belgium.  
**×rotundifolia**  
*var. webberi* (Fraser) R. Harley in W. Scott & R. Palmer, *Flow. plants & ferns of Shetland Isl.*: 246 (1987): M. × *niliaca* var. *webberi*.  
*serbica* R. Jančić in *Glasn. Priro. Muz. Beogradu*, B, 43-44: 30 (1988-89 publ. 1989)—Yugoslavia.  
**×villosa**  
*var. nicholsoniana* (Strail) R.M. Harley in *Watsonia*, 18(2): 212 (1990): M. *nicholsoniana*.

**MENTZELIA** (Loasac.).

- bartonioides* (Zucc.) Lehm., *Del. Sem. Hort. Hamb.*, 1850: 6 (1850); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Eucnide bartonioides*.  
*cronquistii* H. Thompson & B. Prigge in *Great Basin Nat.*, 46(3): 550 (1986)—U.S.A. (Utah, Colorado, Arizona, New Mexico).  
*marginata* (Osterhout) H. Thompson & B. Prigge in *Great Basin Nat.*, 46(3): 549 (1986): *Nuttallia marginata*.  
**multicaulis**  
*var. librina* K.H. Thorne & F.J. Smith in *Great Basin Nat.*, 46(3): 556 (1986)—U.S.A. (Utah).  
**pumila**  
*var. lagarosa* K.H. Thorne in *Great Basin Nat.*, 46(3): 558 (1986)—U.S.A. (Utah, Nevada).  
*shultziorum* B.A. Prigge in *Great Basin Nat.*, 46(2): 361 (1986)—U.S.A. (Utah).

**MENZIESIA** (Ericac.).

- katsumatae* M. Tashiro & H. Hatta in *Bot. Mag. Tokyo*, 99(1053): 29 (1986)—Japan.  
*f. duplex* (Satomi & M. Hashimoto) N. Satomi in *J. Phytogeogr. Taxon.*, 36(2): 112 (1988): M. *multiflora* f. *duplex*.  
*yakushimensis* M. Tashiro & H. Hatta in *Bot. Mag. Tokyo*, 99(1053): 33 (1986)—Japan.

**MERCURIALIS** (Euphorbiac.).

- leiocarpa**  
*var. trichocarpa* W.T. Wang in *Acta Bot. Yunnanica*, 10(1): 39 (1988)—China.

**MERENDERA** (Colchicac.).

- mirzoevae* E.Ts. Gabrielyan in *Biol. Zhurn. Arm.*, 39(7): 582 (1986)—U.S.S.R. (Caucasus).  
*robusta* A. Bunge, *Beitr. Fl. Russl.*: 339 (1852)—U.S.S.R. (Middle Asia).†

**MERIANIA** (Melastomatac.).

- albertiae* J.J. Wurdack in *Phytologia*, 64(4): 293 (1988)—Colombia.  
*aracaensis* J.J. Wurdack in *Acta Amazonica*, 16-17: 223 (1986-87 publ. 1987)—Brazil.  
*brevipedunculata* W.S. Judd & J.D. Skean in *Syst. Bot.*, 12(3): 374 (1987)—Hispaniola (Haiti).  
*crassiramis* (Naud.) J.J. Wurdack in *Brittonia*, 39(2): 159 (1987): *Davya crassiramis*.  
*parvifolia* W.S. Judd & J.D. Skean in *Syst. Bot.*, 12(3): 377 (1987)—Hispaniola (Haiti).

**MERINTHOPODIUM** (Solanac.).

- vogelii* (Cuatrecasas) R. Castillo & R.E. Schultes in *Rhodora*, 88(854): 292 (1986): *Markea vogelii*.

**MERREMIA** (Convolvulac.).

- austini* J.A. McDonald in *Brittonia*, 39(1): 106 (1987)—Mexico.  
*eberhardtii* (Gagnep.) N.T. Nhan in L.V. Aver'yanov, N.T. Ban & E.P. Kudryavtseva, *Mater. Fl. Rast. Ostrov. Vietnam*: 43 (1988): *Ipomoea eberhardtii*.  
*gracilis* E.J.F. Campbell & G. Argent in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 345 (1988 publ. 1989)—Borneo (Sabah).  
*pavonii* (H. Hallier) D.F. Austin & G.W. Staples in *J. Arnold Arbor.*, 67(2): 264 (1986): *Operculina pavoni*.  
*rajasthanensis* M.M. Bhandari in *J. Bombay Nat. Hist. Soc.*, 84(3): 645 (1987 publ. 1988)—India.  
**sibirica**  
*var. jiuhuaensis* B.A. Shen & X.L. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 83 (1987)—China.  
*verruculosa* S.Y. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 133 (1987)—China.

**MERTENSIA** (Boraginac.).

- davurica**  
*var. ochroleuca* (Ik.-Gal.) I.A. Gubanov in L.G. Byazrov et al., *Fl. Khangaya*: 141 (1989): M. *ochroleuca*.  
**lanceolata**  
*var. nivalis* (Wats.) L.C. Higgins in *Great Basin Nat.*, 46(2): 255 (1986): M. *paniculata* var. *nivalis*.

**MESOSETUM** (Gramin.).

- alatum* T.S. Filgueiras in *Brittonia*, 39(2): 306 (1987)—Brazil.  
*longiaristatum* T.S. Filgueiras in *Brittonia*, 39(2): 308 (1987)—Brazil.

**MESOSTEMMA** (Caryophyllac.).

- kotschyannum**  
*subsp. pycnanthum* K.H. Rechinger in *Fl. Iran.*, 163: 84 (1988)—Afghanistan, Pakistan.

**MESPILUS** (Rosac.).

- acuminata* (Lindl.) Ohlendorff, *Verz. Baum. Hamb. Bot. Gart.*, 1832: 17 (1832); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Cotoneaster acuminatus*.  
*canescens* J.B. Phipps in *Syst. Bot.*, 15(1): 26 (1990)—U.S.A. (Arkansas).  
*frigida* (Wall.) Ohlendorff, *Verz. Baum. Hamb. Bot. Gart.*, 1832: 18 (1832); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Cotoneaster frigidus*.  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 466 (1784)—Japan.†  
*microphylla* (Lindl.) Ohlendorff, *Verz. Baum. Hamb. Bot. Gart.*, 1832: 18 (1832); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): *Cotoneaster microphyllus*.

**MESSERSCHMIDIA** (Boraginac.).

- sibirica**  
*var. angustior* (DC.) W.T. Wang in *Fl. Reipubl. Popul. Sin.*, 64(2): 34 (1989): *Tournefortia arguzia* var. *angustior*.



**MESUA** (Guttif.).

- ferrea  
*var. coromandeliana* (Wt.) N.P. Singh in *J. Econ. Taxon. Bot.*, 10(1): 203 (1987 publ. 1988): M. coromandeliana.  
*pustulata* (Ridley) T.C. Whitmore in T.C. Whitmore et al. (eds.), *Tree Fl. Indonesia: Sulawesi Check List*: 56 (1989), as 'pustulatum': *Calophyllum pustulatum*.

**METADACRYDIUM** M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), nom. nov., without replaced synonym ref.: *Dacrydium* author not stated (Podocarpaceae).

- aracarioides* (Brongn. & Gris) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), generic name not validly publ.: *Dacrydium aracarioides*.  
*balansae* (Brongn. & Gris) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), generic name not validly publ.: *Dacrydium balansae*.

**METALASIA** (Compos.).

- acuta* P.O. Karis in *Op. Bot.*, 99: 94 (1989)—South Africa (Cape Province).  
*albescens* P.O. Karis in *Op. Bot.*, 99: 60 (1989)—South Africa (Cape Province).  
*calvicola* P.O. Karis in *Op. Bot.*, 99: 114 (1989)—South Africa (Cape Province).  
*densa* (Lam.) P.O. Karis in *Op. Bot.*, 99: 89 (1989): *Gnaphalium densum*.  
*divergens*  
*subsp. fusca* P.O. Karis in *Op. Bot.*, 99: 135 (1989)—South Africa (Cape Province).  
*humilis* P.O. Karis in *Op. Bot.*, 99: 38 (1989)—South Africa (Cape Province).  
*inversa* P.O. Karis in *Op. Bot.*, 99: 137 (1989)—South Africa (Cape Province).  
*luteola* P.O. Karis in *Op. Bot.*, 99: 112 (1989)—South Africa (Cape Province).  
*montana* P.O. Karis in *Op. Bot.*, 99: 102 (1989)—South Africa (Cape Province).  
*oligocephala* P.O. Karis in *Op. Bot.*, 99: 36 (1989)—South Africa (Cape Province).  
*phillipsii*  
*subsp. incurva* (Pillans) P.O. Karis in *Op. Bot.*, 99: 48 (1989): M. incurva.  
*plicata* P.O. Karis in *Op. Bot.*, 99: 108 (1989)—South Africa (Cape Province).  
*pulchella* (Cass.) P.O. Karis in *Op. Bot.*, 99: 127 (1989): *Endoleuca pulchella*.  
*pulcherrima*  
*f. pallens* (Harv.) P.O. Karis in *Op. Bot.*, 99: 87 (1989): M. pulcherrima var.  $\alpha$  pallens.  
*serrata* P.O. Karis in *Op. Bot.*, 99: 48 (1989)—South Africa (Cape Province).  
*serrulata* P.O. Karis in *Op. Bot.*, 99: 58 (1989)—South Africa (Cape Province).  
*tenuis* P.O. Karis in *Op. Bot.*, 99: 44 (1989)—South Africa (Cape Province).  
*trivialis* P.O. Karis in *Op. Bot.*, 99: 118 (1989)—South Africa (Cape Province).  
*umbelliformis* P.O. Karis in *Op. Bot.*, 99: 123 (1989)—South Africa (Cape Province).

**METALONICERA** M. Wang & A.G. Gu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 204 (1988). **CAPRIFOLIACEAE**.

- edulis* (Turcz. ex Freyn) M. Wang & A.G. Gu in Bull. Bot. Res. North-East. Forest. Inst., 8(4): 204 (1988): *Lonicera edulis*.

**METAPORANA** (Convolvulac.).

- obtusata* (Balf. f.) G.W. Staples in *J. Arnold Arbor.*, 71(2): 253 (1990): *Porana obtusata*.

**METASASA** W.T. Lin in Acta Phytotax. Sin., 26(2): 144 (1988). **GRAMINEAE**.

- albofarinosa* W.T. Lin in *Guihaia*, 10(1): 19 (1990), as 'albo-farinosa'—China.  
*carinata* W.T. Lin in Acta Phytotax. Sin., 26(2): 145 (1988)—China.

**METASTELMA** (Asclepiadac.).

- broadwayi* (Schltr.) R.A. Howard, Fl. Lesser Antilles (Dicot. 3), 6: 128 (1989): *Decastelma broadwayi*.

**METASTELMA** :—

- giuliettianum* J. Fontella Pereira in *Phytologia*, 59(4): 224 (1986)—Brazil.  
*harleyi* J. Fontella Pereira in *Phytologia*, 59(4): 225 (1986)—Brazil.  
*infimicola* (L.O. Williams) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Cynanchum infimicola*.  
*miserum* (L.O. Williams) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Cynanchum miserum*.  
*rubens* (L.O. Williams) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Cynanchum rubens*.  
*sepium* (Decaisne) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Vincetoxicum sepium*.  
*stenomeres* (Standley & Steyermark) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Cynanchum stenomeres*.  
*trichophyllum* (L.O. Williams) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Cynanchum trichophyllum*.

**METROSIDEROS** (Myrtac.).

- bartlettii* J.W. Dawson in *New Zealand J. Bot.*, 23(4): 607 (1985 publ. 1986)—New Zealand.  
*polymorpha*  
*var. dieteri* J. Wyndham Dawson & L. Stemmermann in *Bishop Mus. Occas. Pap.*, 29: 108 (1989)—Hawaiian Is.  
*var. pumila* (A. Heller) J. Wyndham Dawson & L. Stemmermann in *Bishop Mus. Occas. Pap.*, 29: 108 (1989): *Nania pumila*.  
*sclerocarpa* Dawson ex P.S. Green in *Kew Bull.*, 45(2): 244 (1990)—Lord Howe Is.  
*waialealae*  
*var. fauriei* (H. Lévl.) J. Wyndham Dawson & L. Stemmermann in *Bishop Mus. Occas. Pap.*, 29: 109 (1989): *Nania*  $\times$  *fauriei*.

**METROXYLON** (Palmae).

- sagu*  
*f. longispinum* (Giseke) J.B. Rauwerdink in *Principes*, 30(4): 175 (1986): *Sagus genuina longispina*.  
*f. micracanthum* (Blume) J.B. Rauwerdink in *Principes*, 30(4): 175 (1986): *Sagus micracantha*.  
*f. tuberculatum* J.B. Rauwerdink in *Principes*, 30(4): 175 (1986)—New Guinea (Papua New Guinea).

**METTENIUSA** (Icacinac.).

- cundinamarcensis* G. Lozano-C. in *Fl. Colombia*, 11: 32 (1988)—Colombia.  
*huilensis* G. Lozano-C. in *Fl. Colombia*, 11: 36 (1988)—Colombia.  
*santanderensis* G. Lozano-C. in *Fl. Colombia*, 11: 38 (1988)—Colombia.

**METTERNICHIA** (Solanac.).

- princeps*  
*var. macrocalyx* L. d'Avila Freire de Carvalho in W.G. D'Arcy, *Solanaceae: biol. & syst.*: 12 (1986)—Brazil.

**MEXERION** G.L. Nesom in *Phytologia*, 68(4): 249 (1990). **COMPOSITAE**.

- mexicanum* G.L. Nesom in *Phytologia*, 68(4): 250 (1990)—Mexico.  
*sarmentosum* (Klatt) G.L. Nesom in *Phytologia*, 68(4): 252 (1990): *Gnaphalium sarmentosum*.

**MEZILAUROS** (Laurac.).

- caatingae* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 159 (1987)—Brazil.  
*duckei* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 162 (1987)—Brazil.  
*glaucophylla* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 164 (1987)—Costa Rica.  
*mahuba* (Samp.) H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 169 (1987): *Acrodiclidium mahuba*.  
*micrantha* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 170 (1987)—Brazil.  
*opaca* Kubitzki & H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 171 (1987)—Peru.  
*palcazuensis* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 173 (1987)—Peru.  
*pyriflora* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 174 (1987)—Brazil.  
*quadrilobellata* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 176 (1987)—Colombia.

**MEZILAUROS** :—

- thorofflora* H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(1): 179 (1987), nom. nov.: *Licaria maguireana* Allen.

**MEZONEURON** (Legumin.).

- montrouzieri* A. Guillaumin in *Ann. Soc. Bot. Lyon*, 38: 87 (1913 publ. 1914); et *Sp. Montrouz.*: 13 (1914) (reprint)—New Caledonia.†

**MEZZETTIA** (Annonac.).

- macrocarpa* E. van der Heijden & P.J.A. Kessler in *Blumea*, 35(1): 225 (1990)—Borneo (Sabah, Sarawak, Brunei).

**MICHELIA** (Magnoliac.).

- amoenna* Q.F. Zheng & M.M. Lin in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 63 (1987)—China.  
*angustiolonga* Y.W. Law & Y.F. Wu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 97 (1986)—China.  
*balansae*  
*var. brevipes* B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 112 (1988)—China.  
*brachyandra* B.L. Chen & S.C. Yang in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(3): 98 (1988)—China.  
*brevipes* Y.K. Li & X.M. Wang in *Acta Phytotax. Sin.*, 25(5): 408 (1987)—China.  
*calvicola* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 339 (1988)—China.  
*chartacea* B.L. Chen & S.C. Yang in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(3): 97 (1988)—China.  
*coriacea* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(3): 89 (1987)—China.  
*elegans* Y.W. Law & Y.F. Wu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 71 (1988)—China.  
*flaviflora* Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 340 (1988)—China, Vietnam.  
*foveolata*  
*var. cinerascens* Y.W. Law & Y.F. Wu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 99 (1986)—China.  
*fulva* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(3): 87 (1987)—China.  
*ingrata* B.L. Chen & S.C. Yang in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(3): 95 (1988)—China.  
*iteophylla* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 337 (1988)—China.  
*laevifolia* Y.W. Law & Y.F. Wu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 72 (1988)—China.  
*longipetiolata* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 336 (1988)—China.  
*longistyla* Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 341 (1988)—China.  
*microcarpa* B.L. Chen & S.C. Yang in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(3): 96 (1988)—China.  
*nitida* B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1988(1): 111 (1988)—China.  
*oblongifolia* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(3): 86 (1987)—China.  
*opipara* Chang & B.L. Chen in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(3): 90 (1987)—China.  
*pachycarpa* Y.W. Law & R.Z. Zhou in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 85 (1987)—China.  
*polynura* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 340 (1988)—China.  
*sphaerantha* C.Y. Wu ex Z.S. Yue in *Acta Bot. Yunnanica*, 9(4): 413 (1987), with two types cited—China.  
*sphaerantha* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 335 (1988)—China.  
*xanthantha* C.Y. Wu ex Y.W. Law & Y.F. Wu in *Acta Bot. Yunnanica*, 10(3): 338 (1988)—China.

**MICONIA** (Melastomatac.).

- aliquantula* J.J. Wurdack in *Brittonia*, 39(2): 161 (1987), nom. nov.: *Tschudya pulverulenta* DC.  
*auritinoda* J.J. Wurdack in *Phytologia*, 64(4): 298 (1988)—Ecuador.  
*boomii* J.J. Wurdack in *Brittonia*, 40(1): 9 (1988)—Bolivia.  
*cacatin* (Aublet) S.S. Renner in *Mem. New York Bot. Gard.*, 50: 29 (1989): *Melastoma cacatin*.  
*cacumina* J.J. Wurdack in *Phytologia*, 64(4): 296 (1988)—Guyana.  
*calocoma* F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(5): 144 (1989)—Costa Rica.  
*crebribullata* J.J. Wurdack in *Phytologia*, 64(4): 298 (1988)—Ecuador.

**MICONIA** :-

- dissitiflora *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(5): 146 (1989)—Costa Rica.
- globuliflora  
var. dominicae *R.A. Howard & E.A. Kellogg in J. Arnold Arbor.*, 67(2): 242 (1986)—Windward Is., Leeward Is., Trinidad.
- var. vulcanica (*Naudin*) *R.A. Howard & E.A. Kellogg in J. Arnold Arbor.*, 67(2): 243 (1986): *M. vulcanica*.
- grayumii *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 209 (1989)—Costa Rica, Nicaragua.
- histothrix *J.J. Wurdack in Brittonia*, 40(1): 12 (1988)—Peru.
- huberi *J.J. Wurdack in Mem. New York Bot. Gard.*, 51: 103 (1989)—Venezuela.
- ibarrae *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 212 (1989)—Mexico.
- iteophylla *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 214 (1989)—Panama.
- jimenezii *W.S. Judd & R.S. Beaman in Brittonia*, 40(4): 386 (1988)—Hispaniola (Dominican Republic, Haiti).
- lambayequeensis *J.J. Wurdack in Phytologia*, 64(4): 297 (1988)—Peru.
- ligulata *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 216 (1989), nom. nov.: *Leandra consimilis Gleason*.
- macayana *W.S. Judd & J.D. Skean in Bull. Florida State Mus., Biol. Sci.*, 32(1): 145 (1987)—Hispaniola (Haiti).
- mornicola *A.C. Nicolson in Phytologia*, 68(2): 120 (1990)—Windward Is.
- peltata *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 217 (1989)—Panama.
- rimachii *J.J. Wurdack in Brittonia*, 40(1): 7 (1988)—Peru, Brazil.
- secunda *R.A. Howard & E.A. Kellogg in J. Arnold Arbor.*, 67(2): 250 (1986)—Windward Is.
- septentrionalis *W.S. Judd & R.S. Beaman in Brittonia*, 40(4): 383 (1988)—Hispaniola (Dominican Republic).
- spichigeri *J.J. Wurdack in Candollea*, 44(2): 517 (1989)—Peru.
- thysanophylla *J.J. Wurdack in Brittonia*, 40(1): 13 (1988)—Peru.
- zanonii *W.S. Judd, J.D. Skean & R.S. Beaman in Brittonia*, 40(2): 208 (1988)—Hispaniola (Dominican Republic).

**MICRANDRA** *R. Brown, Pterocymbium*: 237 (4 June 1844), nom. rejic. **EUPHORBIACEAE**. †  
ternata *R. Brown, Pterocymbium*: 238 (4 June 1844)—Brazil. †

**MICRANTHOCEREUS** (Cactac.).

streckeri *W. van Heek & L. van Crieke in Kakt. And. Sukk.*, 37(5): 105 (1986)—Brazil.

**MICROCORYS** (Labiata.).

- cephalantha *B.J. Conn in Muellera*, 6(3-4): 260 (1986)—Australia (W. Australia).
- elliptica *B.J. Conn in Muellera*, 6(3-4): 262 (1986)—Australia (N. Terr.).
- wilsoniana *B.J. Conn in Muellera*, 6(3-4): 263 (1986)—Australia (W. Australia).

**MICROCOS** (Tiliac.).

nervosa (*Lour.*) *S.Y. Hu in J. Arnold Arbor.*, 69(1): 79 (1988): *Fallopia nervosa*.

**MICRODESMIS** (Pandac.).

afrodecandra *J.J. Floret, A.M. Louis & J.M. Reitsma in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(2): 104 (1989)—Gabon.

**MICROHOLMESIA** *P. Cribb in D.J. Mabberley, Plant-book*: 371 (1987), nom. nov.: *Holmesia Cribb* (Orchidac.).

parva (*Cribb*) *P. Cribb in D.J. Mabberley, Plant-book*: 371 (1987): *Holmesia parva*.

**MICROLIABUM** (Compos.).

- subgen. Austroliabum (*H. Robinson & Brettell*) *H. Robinson in Syst. Bot.*, 15(4): 743 (1990): gen. Austroliabum.
- candidum (*Griseb.*) *H. Robinson in Syst. Bot.*, 15(4): 743 (1990): *Liabum candidum*.

**MICROLIABUM** :-

- eremophilum (*Cabrera*) *H. Robinson in Syst. Bot.*, 15(4): 744 (1990): *Liabum eremophilum*.
- glanduliferum (*Cabrera*) *H. Robinson in Syst. Bot.*, 15(4): 744 (1990): *Liabum candidum* var. glanduliferum.
- mulgediifolium (*Muschler*) *H. Robinson in Syst. Bot.*, 15(4): 743 (1990): *Liabum mulgediifolium*.
- polymnioides (*R.E. Fries*) *H. Robinson in Syst. Bot.*, 15(4): 743 (1990): *Liabum polymnioides*.

**MICROLOMA** (Asclepiadac.).

- armatum (*Thunb.*) *Schlechter ex E. Gilg & C. Benedict in A. Engler, Bot. Jahrb.*, 53: 167 (1915), as 'armata': *Cleome armata*.
- calycinum  
subsp. flavescens (*E. Mey.*) *H.E. Wanntorp in Op. Bot.*, 98: 36 (1988 publ. 1989): *M. calycinum* var. flavescens.
- campanulatum *H.E. Wanntorp in Op. Bot.*, 98: 63 (1988 publ. 1989)—South Africa (Cape Province).
- dregei (*E. Mey.*) *H.E. Wanntorp in Op. Bot.*, 98: 62 (1988 publ. 1989): *Haemax dregei*.
- glabratum  
subsp. subglabratum *H.E. Wanntorp in Op. Bot.*, 98: 46 (1988 publ. 1989)—South Africa (Cape Province).
- hystricoides *H.E. Wanntorp in Op. Bot.*, 98: 64 (1988 publ. 1989)—South Africa (Orange Free State, Cape Province).
- lanatum *H.E. Wanntorp in Op. Bot.*, 98: 53 (1988 publ. 1989)—Namibia.
- sagittatum  
subsp. pillansii *H.E. Wanntorp in Op. Bot.*, 98: 41 (1988 publ. 1989)—South Africa (Cape Province).
- spinosum  
subsp. dinteri (*Schlecht.*) *H.E. Wanntorp in Op. Bot.*, 98: 62 (1988 publ. 1989): *M. dinteri*.
- subsp. velutinum *H.E. Wanntorp in Op. Bot.*, 98: 62 (1988 publ. 1989)—Namibia.

**MICROMERIA** (Labiata.).

- filiformis  
subsp. minutifolia (*Chodat*) *M. Kerguelen in Lejeunia*, 120: 128 (1987): *Satureja filiformis* var. minutifolia.

**MICROMYRTUS** (Myrtac.).

obovata (*Turcz.*) *J.W. Green, Census Vasc. Pl. W. Australia*, ed. 2: 6 (1985): *Thryptomene obovata*.

**MICROPHOLIS** (Sapotac.).

- sect. Exsertistamen *T.D. Pennington in Fl. Neotrop.*, 52: 217 (1990).
- brochidodroma *T.D. Pennington in Fl. Neotrop.*, 52: 184 (1990)—Peru.
- caudata *T.D. Pennington in Fl. Neotrop.*, 52: 223 (1990)—Brazil.
- cayennensis *T.D. Pennington in Fl. Neotrop.*, 52: 220 (1990)—Brazil, French Guiana.
- emarginata *T.D. Pennington in Fl. Neotrop.*, 52: 208 (1990)—Brazil.
- guyanensis  
subsp. duckeana (*Baehni*) *T.D. Pennington in Fl. Neotrop.*, 52: 180 (1990): *Pouteria duckeana*.
- humboldtiana (*Roemer & Schultes*) *T.D. Pennington in Fl. Neotrop.*, 52: 212 (1990): *Chrysophyllum humboldtianum*.
- macrophylla (*Krause*) *T.D. Pennington in Fl. Neotrop.*, 52: 225 (1990): *Lucuma macrophylla*.
- obscura *T.D. Pennington in Fl. Neotrop.*, 52: 227 (1990)—French Guiana, Guyana, Venezuela, Peru, Brazil.
- polita  
subsp. hotteana *W.S. Judd in Moscosoa*, 4: 223 (1986)—Hispaniola (Haiti).
- sanctae-rosae (*Baehni*) *T.D. Pennington in Fl. Neotrop.*, 52: 215 (1990): *Pouteria sanctae-rosae*.
- spectabilis (*Stevermark*) *T.D. Pennington in Fl. Neotrop.*, 52: 221 (1990): *Pouteria spectabilis*.
- submarginalis *Pires & T.D. Pennington in Fl. Neotrop.*, 52: 228 (1990)—Brazil.
- venamoensis (*Stevermark*) *T.D. Pennington in Fl. Neotrop.*, 52: 205 (1990): *Pouteria venamoensis*.

**MICROPYRUM** (Gramin.).

- tenellum  
f. aristatum (*Tausch*) *J. Lambinon in Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 21: 68 (1986): *Triticum lolioide* var. aristatum.

**MICRORRHINUM** (Scrophulariac.).

pluttulum (*Rech.f.*) *F. Speta in Phytos (Austria)*, 26(1): 51 (1986): *Chaenorhinum pluttulum*.

**MICROSACCUS** (Orchidac.).

griffithii (*Par. & Rchb.f.*) *G. Seidenfaden in Op. Bot.*, 95: 25 (1988): *Saccolabium griffithii*.

**MICROSERIS** (Compos.).

- douglasii  
var. platycarpa (*A. Gray*) *B.L. Turner in Phytologia*, 69(1): 15 (1990): *Calais platycarpa*.

**MICROSIDEROS** *M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien*, 5: 77 (1989), nom. nov., without replaced synonym ref.: *Metrosideros* Auth. not stated (Myrtac.).

tetrasticha (*Guill.*) *M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien*, 5: 77 (1989), without basionym page: *Metrosideros tetrasticha*.

**MICROSISYMBRIUM** (Crucif.).

qingshuiheense *Y.Q. Ma & Z.Y. Zhu in Acta Sci. Nat. Univ. Intramongolicae*, 20(4): 538 (1989)—China.

**MICROSPERMUM** (Compos.).

michoacanum (*R. King*) *B.L. Turner in Phytologia*, 63(6): 430 (1987): *Piqueriopsis michoacana*.

**MICROSTEGIUM** (Gramin.).

- ciliatum  
subsp. integrum (*Ohwi*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 516 (1987): *M. ciliatum* var. integrum.
- fauriei  
subsp. geniculatum (*Hayata*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 516 (1987): *Pollinia geniculata*.
- japonicum  
subsp. somae (*Hayata*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 516 (1987): *Polliniopsis somai*.

**MICROTATORCHIS** (Orchidac.).

smithii *P.J. Kores in Allertonia*, 5(1): 205 (1989)—Fiji.

**MICROTIS** (Orchidac.).

- densiflora (*Benth.*) *M.A. Clements in Austral. Orchid Res.*, 1: 94 (1989): *M. parviflora* var. densiflora.
- familiaris *R. Bates in J. Adelaide Bot. Gard.*, 13: 50 (1990)—Australia (W. Australia).
- media  
subsp. densiflora (*Benth.*) *R. Bates in J. Adelaide Bot. Gard.*, 13: 56 (1990): *M. parviflora* var. densiflora.
- subsp. quadrata *R. Bates in J. Adelaide Bot. Gard.*, 13: 54 (1990)—Australia (W. Australia).

**MICROTROPIS** (Celastrac.).

- caudata *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 313 (1988)—China.
- macrocarpa *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 311 (1988)—China.
- pyramidalis *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 313 (1988)—China.
- semipaniculata *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 310 (1988)—China.
- sphaerocarpa *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 314 (1988)—China.
- thyrsiflora *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 310 (1988)—China.
- triflora  
var. sichuanensis *C.Y. Cheng & T.C. Kao in Acta Phytotax. Sin.*, 26(4): 314, 312 (1988), as 'szchuanensis'—China.

**MIKANIA** (Compos.).

- cuatrecasii *W.C. Holmes in Phytologia*, 65(3): 242 (1988)—Colombia.
- dasptii *W.C. Holmes & S. McDaniel in Candollea*, 44(1): 32 (1989)—Argentina.

- MIKANIA** :—  
 harlingii *R.M. King & H. Robinson in Phytologia*, 60(1): 82 (1986)—Ecuador.  
 longicarpa *W.C. Holmes in Phytologia*, 65(3): 243 (1988)—Colombia.  
 macedanielii *W.C. Holmes in Syst. Bot.*, 14(3): 377 (1989)—Peru.  
 marahuacensis *J. Steyermark & B. Maguire in Acta Bot. Venezuel.*, 14(3): 28 (1984)—Venezuela.  
 perhirta *R.M. King & H. Robinson in Phytologia*, 65(1): 64 (1988)—Brazil.  
 pseudorimachii *W.C. Holmes & S. McDaniel in Candollea*, 44(1): 32 (1989)—Paraguay.  
 summinima *W.C. Holmes in Phytologia*, 64(6): 498 (1988)—Argentina.  
 tehuacanensis *W.C. Holmes in Phytologia*, 59(7): 442 (1986)—Mexico.  
 tristachya *W.C. Holmes in Phytologia*, 65(3): 244 (1988)—Colombia.
- MIKANIOPSIS** (Compos.).  
 bambuseti (*R.E. Fr.*) *C. Jeffrey in Kew Bull.*, 41(4): 878 (1986): *Senecio bambuseti*.  
 cissampelina (*DC.*) *C. Jeffrey in Kew Bull.*, 41(4): 879 (1986): *Cacalia* ? *cissampelina*.
- MILIUM** (Gramin.).  
 album (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): Basionym not stated.  
 caninum (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): *Agrostis canina*.  
 capillare (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): Basionym not stated.  
 globosum *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 109 (1784)—Japan.†  
 hispidum (*Willd.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): Basionym not stated.  
 interruptum (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): Basionym not stated.  
 spica-venti (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): Basionym not stated.  
 stoloniferum (*L.*) *Lag., Elenchus*: 10 (1816); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982): *Agrostis stolonifera*.
- MILIUSA** (Annonac.).  
 brahei (*F. Muell.*) *L.W. Jessup in Austrobaileya*, 2(3): 227 (1986): *Saccopetalum brahei*.  
 traceyi *L.W. Jessup in Austrobaileya*, 2(5): 522 (1988)—Australia (Queensland, N. Terr.).  
 villosa (*Roxb.*) *W. Theobald in F. Mason, Burmah, ed. 3*, 2: 667 (1883); *cf. D.J. Mabberley in Taxon*, 34(1): 155 (1985): *Uvaria villosa*.
- MILLETTIA** (Legumin.).  
 orissae *G. Panigrahi & S.C. Mishra in Indian J. Forest.*, 8(3): 234 (1985), nom. nov.: *Robinia racemosa Roxb.*  
 pinnata (*L.*) *G. Panigrahi in G. Panigrahi & S.K. Murti, Fl. Bilaspur District*, 1: 210 (1989): *Cytisus pinnatus*.
- MILLOTIA** (Compos.).  
 incurva (*D.A. Cooke*) *P.S. Short in Muelleria*, 7(2): 246 (1990): *Scyphocoronis incurva*.  
 major (*Turcz.*) *P.S. Short in Muelleria*, 7(2): 246 (1990): *Toxanthos major*.  
 muelleri (*Sond.*) *P.S. Short in Muelleria*, 7(2): 246 (1990): *Anthocerastes muelleri*.  
 perpusilla (*Turcz.*) *P.S. Short in Muelleria*, 7(2): 246 (1990): *Toxanthos perpusilla*.  
 steetziana *P.S. Short in Muelleria*, 7(2): 247 (1990)—Australia (W. Australia).
- MILTONIOIDES** (Orchidac.).  
 leucomelas (*Rchb. f.*) *L. Bockemühl & K. Senghas in Orchidee*, 39(1): centre page pull-out, Orchideenkartei 522 (1988): *Odontoglossum leucomelas*.  
 subsp. acutum *Rchb. f. ex L. Bockemühl & K. Senghas in Orchidee*, 39(1): centre page pull-out, Orchideenkartei 522 (1988), nom. nov.: *Odontoglossum laeve* var. *auratum Rchb. f.*
- MILTONIOIDES** :—  
 pauciflora (*L.O. Wms.*) *F. Hamer & Garay in Ic. Pl. Trop.*, 13 (Orch. Nicaragua, pt. 6): t. 1048a (1985): *Odontoglossum pauciflorum*.  
 schroederiana (*O'Brien*) *E. Lückel in Orchidee*, 37(2): 55 (1986): *Miltonia schroederiana*.
- MILTONIOPSIS** (Orchidac.).  
 bismarckii *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 110 (1989)—Peru.
- MIMETES** (Proteac.).  
 chrysanthus *J.P. Rourke in S. Afr. J. Bot.*, 54(6): 636 (1988)—South Africa (Cape Province).
- MIMOSA** (Legumin.).  
 antioquensis  
 var. isthmensis *R. Grether in Syst. Bot.*, 15(3): 439 (1990)—Mexico.  
 aureliana *R.C. Barneby & R.H. Fortunato in Brittonia*, 39(2): 165 (1987)—Paraguay.  
 barnebiana *R.H. Fortunato & S.G. Tressens in Candollea*, 44(1): 35 (1989)—Argentina, Paraguay.  
 burkartii *E. Marchesi in Bol. Invest. (Montevideo)*, 5: 2 (1987)—Uruguay.  
 castanoclada *R.C. Barneby & R.H. Fortunato in Brittonia*, 39(2): 167 (1987)—Paraguay, Bolivia.  
 caudero *L. Cárdenas in Ernstia*, 40: 15 (1986)—Venezuela.  
 chacoensis *R.C. Barneby & R.H. Fortunato in Brittonia*, 39(2): 169 (1987)—Paraguay.  
 cordobensis *L. Ariza Espinar in Lorentzia*, 6: 7 (1986)—Argentina.  
 costenya *R. McVaugh, Fl. Novo-Galiciana*, 5: 207 (1987)—Mexico.  
 diplotricha  
 var. inermis (*Adelb.*) *B. Verdcourt in Kew Bull.*, 43(2): 360 (1988): *M. invisa* var. *inermis*.  
 var. inermis (*Adelb.*) *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 134 (1990), isonym: *M. invisa* var. *inermis*.  
 nanchititlana *R. Grether & R.C. Barneby in Brittonia*, 39(3): 345 (1987)—Mexico.  
 niomarlei *A. Fernandes in An. Soc. Bot. Brasil (XIX Congr. Nac. Bot., 1968)*: 93 (1968), also as 'nomarlei' but named after Mr. W. Niomarlei—Brazil.†  
 pauperoides (*Burk.*) *R.H. Fortunato in Ann. Missouri Bot. Gard.*, 76(2): 381 (1989): *M. balansae* var. *pauperoides*.  
 pueblensis *R. Grether in J. Arnold Arbor.*, 68(3): 319 (1987), nom. nov.: *Mimosopsis filipes Britton & Rose*.  
 rhodocarpa (*Britton & Rose*) *R. Grether in J. Arnold Arbor.*, 68(3): 320 (1987): *Mimosopsis rhodocarpa*.  
 rubicaulis  
 subsp. himalayana (*Gamble*) *H. Ohashi in Enum. Fl. Pl. Nepal*, 2: 126 (1979): *M. himalayana*.  
 tobatiensis *R.C. Barneby & R.H. Fortunato in Brittonia*, 39(2): 171 (1987)—Paraguay.  
 torresiae *R. Grether in Syst. Bot.*, 15(3): 435 (1990)—Mexico.  
 turneri *R.C. Barneby in Brittonia*, 38(1): 4 (1986)—U.S.A. (Texas), Mexico.  
 xochipalensis *R. Grether in Syst. Bot.*, 13(3): 425 (1988)—Mexico.
- MIMULUS** (Scrophulariac.).  
 cupriphilus *M.R. Macnair in Bot. J. Linn. Soc.*, 100(1): 3 (1989)—U.S.A. (California).  
 leptanthus (*Nutt*) *A.L. Grant ex L.H. Bailey in Gentes Herbarum*, 1(3): 136 (1923): *Diplacus leptanthus*.  
 longiflorus (*Nutt*) *A.L. Grant ex L.H. Bailey in Gentes Herbarum*, 1(3): 136 (1923): *Diplacus longiflorus*.  
 ×robertsii *A.J. Silverside in Watsonia*, 18(2): 211 (1990), contrary to Art. H5.2 ICBN (1988)—Great Britain. (*M. guttatus* × *luteus* var. *rivularis*).  
 roezlii *Benary ex Haage & Schmidt, Cat. 1872*: 8 (1872); *cf. D.J. Mabberley in Taxon*, 34(3): 454 (1985)—Locality not stated.  
 shevockii *L.R. Heckard & R. Bacigalupi in Madroño*, 33(4): 271 (1986)—U.S.A. (California).
- MINUARTIA** (Caryophyllac.).  
 ser. Valentinae *T. Çelebioglu, C. Favarger & J.M. Montserrat Martí in Collect. Bot.*, 18: 84 (1990).
- MINUARTIA** :—  
 biflora  
 f. versicolor (*Brügger*) *J. Cayouette in Nat. Canad.*, 113(4): 332 (1986): *Alsine biflora* var. *versicolor*.  
 chlorosciadia *K.H. Rechinger in Fl. Iran.*, 163: 42 (1988)—Afghanistan.  
 decipiens  
 subsp. persica (*McNeill*) *K.H. Rechinger in Fl. Iran.*, 163: 47 (1988): *M. decipiens* var. *persica*.  
 hybrida  
 var. macneillii *Kit Tan & R.R. Mill in Fl. Turkey & E. Aegean Is.*, 10: 69 (1988)—Turkey.  
 laricifolia  
 var. diomedis (*Br.-Bl.*) *Favarger & P. Monts. ex F. Muñoz Garmendia & J. Pedrol in An. Jard. Bot. Madrid*, 44(2): 599 (1987): *M. diomedis*.  
 nuristanica *K.H. Rechinger in Fl. Iran.*, 163: 43 (1988)—Afghanistan.  
 palyzanica *G.M. Proskuryakova in Byull. Glavn. Bot. Sada (Moscow)*, 143: 34 (1986 publ. 1987)—U.S.S.R. (Middle Asia).  
 recurva  
 subsp. bigerrensis (*Pau*) *S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 2: 113 (1986): *Alsine recurva* f. *bigerrensis*.  
 rubella  
 f. epilis (*Fern.*) *J. Cayouette in Nat. Canad.*, 113(4): 332 (1986): *Arenaria verna* f. *epilis*.  
 setacea  
 subsp. stojanovii (*Kitanov*) *A. Strid in A. Strid (ed.), Mount. Fl. Greece*, 1: 95 (1986): *M. setacea* var. *stojanovii*.  
 sinaica (*Boiss.*) *A. Danin in Israel J. Bot.*, 36(2): 63 (1987): *Alsine sinaica*.  
 smejkalii *M. Dvořáková in Preslia*, 60(1): 3 (1988)—Czechoslovakia.  
 sublineata *K.H. Rechinger in Fl. Iran.*, 163: 36 (1988)—Iran, Iraq.  
 valentina (*Pau*) *Favarger & P. Monts. ex F. Muñoz Garmendia & J. Pedrol in An. Jard. Bot. Madrid*, 44(2): 599 (1987): *Alsine valentina*.  
 verna  
 subsp. brevipetala *P. Hartvig & A. Strid in Bot. Jahrb.*, 108(2–3): 322 (1987)—Turkey.  
 f. glandulosa (*Rouy & Fouc.*) *N. Randjelović, F. Rexhepi & V. Jovanović in Fl. SR Srbije*, 10: 45 (1986): *Alsine verna* subvar. *glandulosa*.
- MINUOPSIS** *W.A. Weber in Phytologia*, 67(6): 426 (1989). *CARYOPHYLLACEAE*.  
 caroliniana (*Walter*) *W.A. Weber in Phytologia*, 67(6): 427 (1989): *Arenaria caroliniana*.  
 michauxii (*Fenzl*) *W.A. Weber in Phytologia*, 67(6): 427 (1989): *Alsine michauxii*.  
 nuttallii (*Pax*) *W.A. Weber in Phytologia*, 67(6): 427 (1989): *Arenaria nuttallii*.
- MINURIA** (Compos.).  
 macrorrhiza (*DC.*) *N.S. Lander in Nuytsia*, 6(1): 64 (1987): *Eurybiopsis macrorrhiza*.  
 tridens (*D.A. Cooke*) *N.S. Lander in Nuytsia*, 6(1): 64 (1987): *Olearia tridens*.
- MIRABILIS** (Nyctaginac.).  
 linearis  
 var. decipiens (*Standl.*) *S.L. Welsh in Great Basin Nat.*, 46(2): 258 (1986): *Allionia decipiens*.
- MIRANDEA** (Acanthac.).  
 andradenia *T.F. Daniel in Southwest. Nat.*, 31(2): 170 (1986)—Mexico.
- MIRBELIA** (Legumin.).  
 granitica *M.D. Crisp & J.M. Taylor in J. Adelaide Bot. Gard.*, 10(1): 135 (1987)—Australia (W. Australia).  
 rhagodioides *M.D. Crisp & J.M. Taylor in J. Adelaide Bot. Gard.*, 10(1): 139 (1987)—Australia (W. Australia).  
 stipitata *M.D. Crisp & J.M. Taylor in J. Adelaide Bot. Gard.*, 10(1): 141 (1987)—Australia (W. Australia).
- MISCANTHUS** (Gramin.).  
 nudipes  
 subsp. taylorii (*Bor*) *Y.N. Lee in J. Korean Pl. Taxon.*, 3(1–2): 18 (1971): *M. taylorii*.†

**MISCANTHUS** :-

- subsp. wardii* (Bor) Y.N. Lee in *J. Korean Pl. Taxon.*, 3(1-2): 18 (1971), as 'wordii', without basionym ref.: M. wardii.†
- oligostachyus*
- subsp. intermedius* (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 517 (1987): M. longiberbis var. intermedius.
- subsp. longiberbis* (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 517 (1987): M. matsumurae var. longiberbis.
- sacchariflorus*
- f. purpurascens* Y.N. Lee in *J. Korean Pl. Taxon.*, 3(1-2): 18 (1971)—Great Britain.†
- sinensis*
- subsp. condensatus* (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 518 (1987): M. condensatus.

**MISCHOCARPUS** (Sapindac.).

- albescens* S.T. Reynolds in *Fl. Australia*, 25: 200, 97 (1985)—Australia (Queensland).
- australis* S.T. Reynolds in *Fl. Australia*, 25: 200, 100 (1985)—Australia (Queensland, New South Wales).
- macrocarpus* S.T. Reynolds in *Fl. Australia*, 25: 200, 100 (1985)—Australia (Queensland).
- stipitatus* S.T. Reynolds in *Fl. Australia*, 25: 200, 100 (1985)—Australia (Queensland).

**MISOPATES** (Scrophulariac.).

- marraicum* D.A. Sutton, *Revis. tribe Antirrhineae*: 153 (1988)—Sudan.
- microcarpum* (Pomel) D.A. Sutton, *Revis. tribe Antirrhineae*: 151 (1988): *Antirrhinum microcarpum*.
- oranense* (Faure) D.A. Sutton, *Revis. tribe Antirrhineae*: 148 (1988): *Antirrhinum orontium* var. *oranense*.
- orontium*
- subsp. gibbosum* (Wall.) D.A. Sutton, *Revis. tribe Antirrhineae*: 147 (1988): *Antirrhinum gibbosum*.
- var. grandiflorum* (Chav.) B. Valdés in *Lagascalia*, 14(1): 156 (1986): *Antirrhinum orontium* var. *grandiflorum*.
- rivas-martinezii* D. Sánchez-Mata in *Candollea*, 43(1): 261 (1988)—Spain.
- salvagense* D.A. Sutton, *Revis. tribe Antirrhineae*: 151 (1988)—Salvage Is.

**MITRACARPUS** (Rubiace.).

- bahorucaus* T.A. Zanon in *Moscossa*, 5: 103 (1989)—Hispaniola (Dominican Republic).

**MITRANTIA** Peter G. Wilson & B.P.M. Hyland in *Telopea*, 3(2): 264 (1988). MYRTACEAE.

- bilocularis* Peter G. Wilson & B.P.M. Hyland in *Telopea*, 3(2): 265 (1988)—Australia (Queensland).

**MITRIOSTIGMA** (Rubiace.).

- usambarense* B. Verdcourt in *Kew Bull.*, 42(1): 245 (1987)—Tanzania.

**MIYAMAYOMENA** (Compos.).

- sect. Heterolepis* Ling & Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 41 (1986).
- angustifolia* (Hand.-Mazz.) Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 43 (1986): *Asteromaea angustifolia*.
- simplex* (Hand.-Mazz.) Y.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 42 (1986): *Asteromaea simplex*.
- yuanqunensis* (J.Q. Fu) J.Q. Fu in *Fl. Loess-Plat. Sin.*, 5: 158 (1989): *Gymnaster yuanqunensis*.

**MNESITHEA** (Gramin.).

- afraurita* (Stapf) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Rottboellia afraurita*.
- annua* (Lazarides) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 295 (1986): *Heteropholis annua*.
- aurita* (Steud.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Rottboellia aurita*.
- balansae* (Hack.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Rottboellia balansae*.
- benoistii* (Camus) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 287 (1986): *Heteropholis benoistii*.
- capensis* (Stapf) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Coelorachis capensis*.

**MNESITHEA** :-

- clarkei* (Hack.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Rottboellia clarkei*.
- cylindrica* (Michx.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Tripsacum cylindricum*.
- formosa* (R. Br.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 288 (1986): *Rottboellia formosa*.
- glandulosa* (Trin.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 290 (1986): *Rottboellia glandulosa*.
- granularis* (L.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 295 (1986): *Cenchrus granularis*.
- helferi* (Hook. f.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Rottboellia helferi*.
- impressa* (Griseb.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Rottboellia impressa*.
- khasiana* (Hack.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Rottboellia striata* subsp. *khasiana*.
- laevis*
- var. chenii* (Hsu) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 286 (1986): *Thaumatococcus chenii*.
- var. cochinchinensis* (Lour.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 286 (1986): *Phleum cochinchinensis*.
- laevispica* (Keng) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Rottboellia laevispica*.
- lepidura* (Stapf) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Coelorachis lepidura*.
- nigrescens* (Thw.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 287 (1986): *Rottboellia nigrescens*.
- parodiana* (Henr.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Coelorachis parodiana*.
- pilosa* B.K. Simon in *Austrobaileya*, 3(1): 90 (1989)—Australia (Queensland).
- pulcherrima* (Kunth) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Ratzeburgia pulcherrima*.
- ramosa* (Fourn.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Apogonia ramosa*.
- rottboellioides* (R. Br.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Ischaemum rottboellioides*.
- rugosa* (Nutt.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 291 (1986): *Rottboellia rugosa*.
- selloana* (Hack.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 292 (1986): *Rottboellia selloana*.
- striata* (Steud.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 292 (1986): *Rottboellia striata*.
- subgibbosa* (Hack.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 292 (1986): *Rottboellia loricata* subsp./var. *subgibbosa*.
- sulcata* (Stapf) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 287 (1986): *Peltophorus sulcatus*.
- tessellata* (Steud.) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 293 (1986): *Rottboellia tessellata*.
- tuberculosa* (Nash) R. de Koning & M.S.M. Sosef in *Blumea*, 31(2): 293 (1986): *Manisuris tuberculosa*.

**MOEHRINGIA** (Caryophyllac.).

- intricata*
- subsp. castellana* J.M. Montserrat in *An. Jard. Bot. Madrid*, 42(2): 548 (1985 publ. 1986)—Spain.
- subsp. tejedensis* (Willk.) J.M. Montserrat in *An. Jard. Bot. Madrid*, 42(2): 548 (1985 publ. 1986): M. tejedensis.

**MOLINIA** (Gramin.).

- ser. Caerulea* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 140 (1986 publ. 1987).
- ser. Hungaricae* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 142 (1986 publ. 1987).
- arundinacea*
- var. robusta* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 141 (1986 publ. 1987)—Hungary.
- horanszkyi* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 143 (1986 publ. 1987)—Hungary.
- hungarica* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 143 (1986 publ. 1987)—Hungary.
- pocsii* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 141 (1986 publ. 1987)—Hungary.
- simonii* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 142 (1986 publ. 1987)—Hungary.
- var. major* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 142 (1986 publ. 1987)—Hungary.
- ujhelyii* I. Milkovits in *Symb. Bot. Upsal.*, 27(2): 142 (1986 publ. 1987)—Hungary.

**MOLLIA** (Caryophyllac.).

- alsinifolia* (Biv.) Guss., *Cat. Pl. Hort. Reg. Bocc.*: 42 (1821); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.
- polycarpoides* (Biv.) Guss., *Cat. Pl. Hort. Reg. Bocc.*: 42 (1821); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**MOLLINEDIA** (Monimiac.).

- foreroi* A.L. Peixoto in *Arq. Jard. Bot. Rio de Janeiro*, 27: 195 (1983-85 publ. 1985)—Colombia.
- gentrii* A.L. Peixoto in *Arq. Jard. Bot. Rio de Janeiro*, 27: 196 (1983-85 publ. 1985)—Mexico.
- glabricalis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 115 (1989)—Brazil.
- grazielae* A.L. Peixoto in *Bradea*, 4(41): 332 (1987)—Surinam, Guyana.
- jorgeorum* A.L. Peixoto in *Arq. Jard. Bot. Rio de Janeiro*, 27: 194 (1983-85 publ. 1985), as 'jorgearum'—Brazil.
- luizae* A.L. Peixoto in *Arq. Jard. Bot. Rio de Janeiro*, 27: 194 (1983-85 publ. 1985)—Brazil.
- neblinensis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 113 (1989)—Venezuela.

**MOLONGUM** (Apocynac.).

- lucidum* (Humboldt, Bonpland & Kunth) J.L. Zarucchi in *Agric. Univ. Wageningen Pap.*, 87(1): 72 (1983 publ. 1988): *Tabernaemontana* ? *lucida*.

**MOLOPOSPERMUM** (Umbellif.).

- peloponnesiacum*
- subsp. bauhini* I. Ullmann in *Flora (Germany)*, 179(4): 268 (1987)—Italy.

**MOMORDICA** (Cucurbitac.).

- charantia*
- subsp. abbreviata* (Ser.) I. Grebenščikov in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 2: 926 (1986): M. charantia var. abbreviata.

**MONACTIS** (Compos.).

- anderssonii* H. Robinson in *Phytologia*, 65(1): 52 (1988)—Ecuador.
- rhombifolia* A. Sagástegui-Alva & M.O. Dillon in *Phytologia*, 61(1): 5 (1986)—Peru.

**MONADENIUM** (Euphorbiac.).

- catenatum* S. Carter in *Kew Bull.*, 42(4): 905 (1987)—Tanzania.
- clarae* F. Malaisse & J.M. Lecron in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 478 (1989)—Zaire.
- depauperatum* (Bally) S. Carter in *Kew Bull.*, 42(4): 908 (1987): M. laeve f. *depauperata*.
- elegans* S. Carter in *Kew Bull.*, 42(4): 909 (1987)—Tanzania.
- filiforme* (Bally) S. Carter in *Kew Bull.*, 42(4): 905 (1987): M. chevalieri var. *filiforme*.
- gladiatum* (Bally) S. Carter in *Kew Bull.*, 42(4): 913 (1987): M. yattanum var. *gladiatum*.
- globosum* Bally & S. Carter in *Kew Bull.*, 42(4): 906 (1987)—Tanzania.
- heteropodum*
- var. formosum* (Bally) S. Carter in *Kew Bull.*, 42(4): 916 (1987): M. schubei var. *formosum*.
- kundelunguense* F. Malaisse in *Act. Succ. J. (U.S.A.)*, 59(5): 204 (1987)—Zaire.
- letouzeyanum* F. Malaisse in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 337 (1989 publ. 1990)—Zaire.
- pedunculatum* S. Carter in *Kew Bull.*, 42(4): 903 (1987)—Tanzania, Burundi, Zaire, Zambia.
- renneyi* S. Carter in *Kew Bull.*, 42(4): 916 (1987)—Kenya.
- ritchiei*
- subsp. marsabitense* S. Carter in *Kew Bull.*, 42(4): 915 (1987)—Kenya.
- subsp. nyambense* S. Carter in *Kew Bull.*, 42(4): 915 (1987)—Kenya.
- rubellum* (Bally) S. Carter in *Kew Bull.*, 42(4): 913 (1987): M. montanum var. *rubellum*.
- schaiesii* F. Malaisse in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 487 (1986)—Zaire.
- shebeliensis* M.G. Gilbert in *Bradleya*, 8: 45 (1990)—Ethiopia.
- spectabile* S. Carter in *Kew Bull.*, 42(4): 911 (1987)—Tanzania.



**MONADENIUM** :-

stapelioides

*var. congestum* (Bally) S. Carter in *Kew Bull.*, 42(4): 914 (1987): M. stapelioides f. congestum.  
*stoloniferum* (Bally) S. Carter in *Kew Bull.*, 42(4): 913 (1987): M. rhizophorum *var. stoloniferum*.

**MONANTHOCITRUS** (Rutac.).

*bispinosa* B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 217 (1985)—New Guinea (W. Irian).  
*oblanceolata* B.C. Stone & D.T. Jones in *Proc. Acad. Nat. Sci. Philadelphia*, 140(2): 267 (1988)—Borneo (Sabah).  
*paludosa* (Lauterb.) B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 217 (1985): *Citrus paludosa*.

**MONANTHOTAXIS** (Annonac.).

*discrepantinervia* B. Verdcourt in *Kew Bull.*, 41(2): 295 (1986)—Tanzania.

**MONARDELLA** (Labiat.).

*bencolensis* J.R. Shevock, B. Ertter & J.D. Jokerst in *Madroño*, 36(4): 271 (1989 publ. 1990)—U.S.A. (California).

**MONECHMA** (Acanthac.).

*callothamnum* J. Munday in *S. Afr. J. Bot.*, 53(2): 140 (1987)—Namibia.

× **MONNIERARA** hort. in *Orchid Rev.*, 98(1156): centre page pull-out p. 10 (1990). *ORCHIDACEAE*. (Catasetum × *Cycnoches* × *Mormodes*).

**MONOCERA** (Elaeocarpaceae).

*dentata* (Forst. & Forst. f.) Endl., *Cat. Horti Vindob.*, 2: 365 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.  
*reticulata* (Sm.) Endl., *Cat. Horti Vindob.*, 2: 365 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Elaeocarpus reticulatus*.

**MONOCLADUS** L.C. Chia, H.L. Fung & Y.L. Yang in *Acta Phytotax. Sin.*, 26(3): 212 (1988). *GRAMINEAE*.

*amplexicaulis* L.C. Chia, H.L. Fung & Y.L. Yang in *Acta Phytotax. Sin.*, 26(3): 215 (1988)—China.  
*levigatus* L.C. Chia, H.L. Fung & Y.L. Yang in *Acta Phytotax. Sin.*, 26(3): 213 (1988)—China.  
*saxatilis* L.C. Chia, H.L. Fung & Y.L. Yang in *Acta Phytotax. Sin.*, 26(3): 215 (1988): *Indocalamus solidus*.  
*solidus* (C.D. Chu & C.S. Chao) L.C. Chia in *Acta Phytotax. Sin.*, 26(3): 215 (1988): *Indocalamus solidus*.

**MONOPSIS** (Campanulac.).

*alba* P.B. Phillipson in *Bot. J. Linn. Soc.*, 93(4): 334 (1986)—South Africa (Cape Province).  
*debilis*  
*var. depressa* (L.f.) P.B. Phillipson in *Bot. J. Linn. Soc.*, 93(4): 338 (1986): *Lobelia depressa*.  
*var. gracilis* (C. Presl) P.B. Phillipson in *Bot. J. Linn. Soc.*, 93(4): 340 (1986): M. *conspicua* *var. gracilis*.  
*unidentata*  
*subsp. intermedia* P.B. Phillipson in *Bot. J. Linn. Soc.*, 99(3): 268 (1989)—South Africa (Cape Province).  
*subsp. laevicaulis* (C. Presl) P.B. Phillipson in *Bot. J. Linn. Soc.*, 99(3): 270 (1989): *Dobrowskya laevicaulis*.

**MONOTAGMA** (Marantac.).

*ovatum* M. Hagberg in *Ann. Missouri Bot. Gard.*, 77(2): 421 (1990)—Guyana, Venezuela.  
*rudanii* M. Hagberg in *Fl. Ecuador*, 32(224): 163 (1988)—Ecuador.  
*vaginatum* M. Hagberg in *Ann. Missouri Bot. Gard.*, 77(2): 422 (1990)—Brazil, Peru, Venezuela, French Guiana, Colombia.

**MONOTES** (Dipterocarpaceae).

*lutambensis* B. Verdcourt in *Fl. Trop. E. Afr., Dipterocarpaceae*: 9 (1989)—Tanzania.

**MONOTROPASTRUM** (Ericac.).

*sciaphilum* (H. Andres) G.D. Wallace in *Taxon*, 36(1): 129 (1987): *Eremotropa sciaphila*.

**MONSTERA** (Arac.).

*costaricensis* (Engl. & Krause) T.B. Croat & M.H. Grayum in *Ann. Missouri Bot. Gard.*, 74(3): 659 (1987): *Rhodospatha costaricensis*.  
*dissecta* (Schott) T.B. Croat & M.H. Grayum in *Ann. Missouri Bot. Gard.*, 74(3): 659 (1987): *Tornelia dissecta*.

**MONTANOA** (Compos.).

*leucantha*  
*var. arborescens* (DC.) B.L. Turner in *Phytologia*, 65(5): 382 (1988): M. *arborescens*.  
*tomentosa*  
*var. microcephala* (Sch.-Bip.) B.L. Turner in *Phytologia*, 65(5): 382 (1988): M. *microcephala*.  
*var. xanthifolia* (Sch.-Bip.) B.L. Turner in *Phytologia*, 65(5): 382 (1988): M. *xanthifolia*.

**MONTBRETIA** (Iridac.).

*crocata* (L.) Endl., *Cat. Horti Vindob.*, 1: 166 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.  
*deusta* (Ait.) Endl., *Cat. Horti Vindob.*, 1: 166 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.  
*fenestrata* (Jacq.) Endl., *Cat. Horti Vindob.*, 1: 166 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.

**MONTROUZIERA** (Guttif.).

*sphaeroidea*  
*var. rhodoneura* (Schltr.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without *basionym* ref.; *et Syst. Fl. Neu-Caledonien*, 5: 97 (May 1989), with *basionym* ref.: M. *rhodoneura*.

**MORAEA** (Iridac.).

*brevistyla* (Goldblatt) P. Goldblatt, *Moraeas of South Africa* (Ann. Kirstenbosch Bot. Gard., 14): 162 (1986): M. *pubiflora* *subsp. brevistyla*.  
*deserticola* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 113 (1986)—South Africa (Cape Province).  
*exiliflora* P. Goldblatt, *Moraeas of South Africa* (Ann. Kirstenbosch Bot. Gard., 14): 128 (1986)—South Africa (Cape Province).  
*fugax*  
*subsp. filicaulis* (Baker) P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 155 (1986): M. *filicaulis*.  
*garipensis* P. Goldblatt, *Moraeas of South Africa* (Ann. Kirstenbosch Bot. Gard., 14): 48 (1986)—Namibia.  
*graniticola* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 107 (1986)—Namibia.  
*hexaglottis* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 108 (1986)—Namibia.  
*macrocarpa* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 151 (1986)—South Africa (Cape Province).  
*namaquomontana* P. Goldblatt, *Moraeas of South Africa* (Ann. Kirstenbosch Bot. Gard., 14): 50 (1986)—South Africa (Cape Province).  
*pseudospicata* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 111 (1986)—South Africa (Cape Province).  
*rigidifolia* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 109 (1986)—Namibia.  
*verecunda* P. Goldblatt, *Moraeas of South Africa* (Ann. Kirstenbosch Bot. Gard., 14): 116 (1986)—South Africa (Cape Province).  
*worcesterensis* P. Goldblatt in *Ann. Missouri Bot. Gard.*, 73(1): 115 (1986)—South Africa (Cape Province).

**MORICANDIA** (Crucif.).

*moricandioides*  
*subsp. cavanillesiana* (Font Quer & A. Bolós) W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: 144 (1986): M. *ramburii* *subsp. cavanillesiana*.

**MORINA** (Morinac.).

*lehmanniana* A. Bunge, *Beitr. Fl. Russl.*: 145 (1852)—U.S.S.R. (Middle Asia).†

**MORINA** :-

nepalensis

*var. alba* (Hand.-Mazz.) Y.C. Tang ex C.H. Hsing in *Fl. Reipubl. Popul. Sin.*, 73(1): 51 (1986): M. *alba*.  
*var. delavayi* (Franch.) C.H. Hsing in *Fl. Reipubl. Popul. Sin.*, 73(1): 51 (1986): M. *delavayi*.

**MORINDA** (Rubiaceae).

coreia

*var. stenophylla* (Spreng.) M. Chandrasekhar in M. Chandrasekhar & N.C. Nair, *Fl. Coimbatore*: 142 (1988): M. *stenophylla*.  
*longipedunculata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 340 (1988)—Venezuela.  
*sessiliflora* Bertol., *Syll. Pl. Hort. Bot. Bonon.*, 1827: 5 (1827) *et Nov. Comm. Acad. Sci. Bonon.*, 4: 19, t. 4 (1840); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—Windward Is.

umbellata

*subsp. boninensis* (Ohwi) T. Yamazaki in *J. Jap. Bot.*, 61(11): 343 (1986): M. *boninensis*.  
*var. boninensis* (Ohwi) T. Yamazaki in *J. Jap. Bot.*, 61(11): 343 (1986): M. *boninensis*.  
*var. hahazimensis* T. Yamazaki in *J. Jap. Bot.*, 61(11): 343 (1986)—Bonin Is.

**MORMODES** (Orchidac.).

*auriculata* F. Miranda in *Lindleyana*, 4(2): 95 (1989)—Brazil.  
*cozticxochitl* G.A. Salazar Chávez in *Orquidea (México)*, 12(1): 75 (1990)—Mexico.  
*densiflora* F. Miranda in *Lindleyana*, 4(2): 95 (1989)—Brazil.  
*elegans* F. Miranda in *Lindleyana*, 4(2): 94 (1989)—Brazil.  
*hirsutissima* F. Miranda in *Lindleyana*, 4(2): 98 (1989)—Brazil.  
*oestlundiana* G.A. Salazar Chávez & E. Hagsater in *Orquidea (México)*, 12(1): 66 (1990)—Mexico.  
*tuxtliensis* G.A. Salazar Chávez in *Orquidea (México)*, 11: 52 (1988)—Mexico.

**MORUS** (Morac.).

australis

*var. incisa* C.Y. Wu in *Acta Bot. Yunnanica*, 11(1): 26 (1989)—China.  
*var. inusitata* (Lévl.) C.Y. Wu in *Acta Bot. Yunnanica*, 11(1): 25 (1989): M. *inusitata*.  
*chinlingensis* C.L. Min in *Acta Bot. Bor.-Occid. Sin.*, 6(4): 277 (1986)—China.  
*mongolica*  
*var. hopeiensis* S.S. Chang in *Acta Bot. Yunnanica*, 11(1): 24 (1989)—China.

**MOSCHOXYLUM** A. Jussieu in Mirb. & Cass. apud Guill. in *Bull. Sci. Nat. Geol.*, 23: 237 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). *MELIACEAE*.

**MOSIERA** (Myrtac.).

*acunae* (Borhidi & Muñiz) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus acunae*.  
*araneosa* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Psidium araneosum*.  
*bullata* (Britt. & Wils.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus bullata*.  
*subsp. leiophloeum* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Psidium leiophloeum*.  
*buxoides* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Eugenia buxoides*.  
*ekmanii* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Myrtus ekmanii*.  
*elliptica* (W.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus elliptica*.  
*subsp. matanzasia* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus matanzasia*.  
*flavicans* (Urb. & Ekm.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Eugenia flavicans*.

**MOSIERA** :-

- subsp. cabanasensis* (Britt. & Wils.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Eugenia cabanasensis*.  
*subsp. pastelillensis* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Eugenia pastelillensis*.  
*guineensis* (Sw.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Psidium guineense*.  
*havanensis* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Psidium havanense*.  
*jackii* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Psidium jackii*.  
*moaensis* (Britt. & Wils.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Eugenia moaensis*.  
*munizii* (Borhidi) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus munizii*.  
*nummularioides* (Britt. & Wils.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus nummularioides*.  
*oonophylla* (Urb.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Eugenia oonophylla*.  
*ophiticola* (Britt. & Wils.) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 5 (1985 publ. 1986): *Myrtus ophiticola*.  
*sagrae* (Berg) J. Bisse in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(3): 4 (1985 publ. 1986): *Myrtus sagrae*.

- MOTLEYIA** J.T. Johansson in *Blumea*, 32(1): 149 (1987). **RUBIACEAE**.  
*borneensis* J.T. Johansson in *Blumea*, 32(1): 150 (1987)—Borneo (Sarawak, Sabah).

**MOURETIA** (Rubiaceae).

- tonkinensis*  
*var. inaequalis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 48 (1986)—Vietnam.

**MOURIRI** (Melastomataceae).

- gleasoniana*  
*var. coibensis* (Morley) T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 437 (1989): *M. coibensis*.  
*latihila* T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 434 (1989)—Venezuela.  
*osaensis* T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 430 (1989)—Costa Rica.  
*papillosa* T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 432 (1989)—Venezuela.  
*retentipetala* T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 434 (1989)—Brazil, Peru.

**MUCOA** J.L. Zarucchi in *Agric. Univ. Wageningen Pap.*, 87(1): 40 (1987 publ. 1988). **APOCYNACEAE**.

- duckei* (Markgraf) J.L. Zarucchi in *Agric. Univ. Wageningen Pap.*, 87(1): 42 (1987 publ. 1988): *Neocouma duckei*.  
*pantchenkoana* (Markgraf) J.L. Zarucchi in *Agric. Univ. Wageningen Pap.*, 87(1): 46 (1987 publ. 1988): *Ambelania pantchenkoana*.

**MUCUNA** (Legumin.).

- ckienkweiensis* G.Z. Li in *J. Wuhan Bot. Res.*, 8(2): 144 (1990)—China.  
*glabra* (Reinecke) C.M. Wilmot-Dear in *Kew Bull.*, 45(1): 21 (1990): *M. urens* var. *glabra*.  
*kawakabuti* H. Wiriadinata in *J. Jap. Bot.*, 65(4): 97 (1990)—Lesser Sunda Is.  
*killipiana* J.I. Hernández Camacho & C. Barbosa in *Trianea, Acta Cient. Tecnol. Inderena*, 1: 38 (1988)—Colombia.  
*kostermansii* H. Wiriadinata in *J. Jap. Bot.*, 65(4): 99 (1990)—Lesser Sunda Is.  
*pruriens*  
*subsp. deeringiana* (Bort) P. Hanelt in *R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 1: 533 (1986): *Stizolobium deeringiana*.  
*var. hirsuta* (Wight & Arn.) C.M. Wilmot-Dear in *Kew Bull.*, 42(1): 44 (1987): *M. hirsuta*.  
*schmutzii* H. Wiriadinata in *J. Jap. Bot.*, 65(4): 102 (1990)—Lesser Sunda Is.

**MUCUNA** :-

- sloanei*  
*var. persericea* C.M. Wilmot-Dear in *Kew Bull.*, 45(1): 27 (1990)—Hawaiian Is.  
*subumbellata* C.M. Wilmot-Dear in *Kew Bull.*, 45(1): 8 (1990) British Solomon Is.  
*sumbawaensis* H. Wiriadinata in *J. Jap. Bot.*, 65(4): 104 (1990)—Lesser Sunda Is.

**MUEHLENBECKIA** (Polygonac.).

- andina* J. Brandbyge in *Fl. Ecuador*, 38(34): 27 (1989)—Bolivia, Ecuador.  
*tiliifolia*  
*var. glabra* J. Brandbyge in *Fl. Ecuador*, 38(34): 31 (1989)—Ecuador, Peru, Bolivia.

**MUHLENBERGIA** (Gramin.).

- caxamarcensis* S. Laegaard & I. Sánchez Vega in *Nordic J. Bot.*, 10(4): 437 (1990)—Peru.  
*curvيارistata*  
*f. nipponica* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 518 (1987): *M. curvيارistata* var. *nipponica*.  
*durangensis* Y. Herrera Arrieta in *Phytologia*, 63(6): 457 (1987)—Mexico.  
*majalcensis* P.M. Peterson in *Syst. Bot.*, 14(3): 316 (1989)—Mexico.  
*maxima* S. Laegaard & I. Sánchez Vega in *Nordic J. Bot.*, 10(4): 439 (1990)—Peru.  
*palmyrensis* I. Grignon & S. Laegaard in *Nordic J. Bot.*, 9(1): 47 (1989)—Ecuador.

- MUKIA** G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 50 (1940). **CUCURBITACEAE**.

**MULGEDIUM** (Compos.).

- bracteatum* (Hook. f. & Thoms. ex C.B. Clarke) C. Shih in *Acta Phytotax. Sin.*, 26(5): 390 (1988): *Lactuca bracteata*.  
*meridionale* C. Shih in *Acta Phytotax. Sin.*, 26(5): 392 (1988)—China.  
*monocephalum* (Chang) C. Shih in *Acta Phytotax. Sin.*, 26(5): 391 (1988): *Lactuca monocephala*.  
*polypodiifolium* (Franch.) C. Shih in *Acta Phytotax. Sin.*, 26(5): 392 (1988): *Lactuca polypodiifolia*.  
*umbrosum* (Dunn) C. Shih in *Acta Phytotax. Sin.*, 26(5): 391 (1988): *Lactuca umbrosa*.

**MULTIDENTIA** (Rubiaceae).

- castaneae* (Robyns) D.M. Bridson & B. Verdcourt in *Kew Bull.*, 42(3): 651 (1987): *Vangueriopsis castaneae*.  
*concrecens* (Bullock) D.M. Bridson & B. Verdcourt in *Kew Bull.*, 42(3): 653 (1987): *Pygmaeothamnus concrecens*.  
*crassa* (Hiern) D.M. Bridson & B. Verdcourt in *Kew Bull.*, 42(3): 652 (1987): *Canthium crassum*.  
*var. ampla* (S. Moore) D.M. Bridson & B. Verdcourt in *Kew Bull.*, 42(3): 653 (1987): *Canthium amplum*.  
*dichrophylla* (Mildbr.) D.M. Bridson in *Kew Bull.*, 42(3): 646 (1987): *Plectronia dichrophylla*.  
*exserta* D.M. Bridson in *Kew Bull.*, 42(3): 647 (1987)—Tanzania, Mozambique, Zimbabwe.  
*subsp. robsonii* D.M. Bridson in *Kew Bull.*, 42(3): 649 (1987)—Zambia, Mozambique, Malawi.  
*fanshawei* (Tennant) D.M. Bridson in *Kew Bull.*, 42(3): 647 (1987): *Canthium fanshawei*.  
*kingupirensis* D.M. Bridson in *Kew Bull.*, 42(3): 649 (1987)—Tanzania.  
*pobeguini* (Hutch. & Dalz.) D.M. Bridson in *Kew Bull.*, 42(3): 646 (1987): *Canthium pobeguini*.  
*sclerocarpa* (K. Schum.) D.M. Bridson in *Kew Bull.*, 42(3): 650 (1987): *Plectronia sclerocarpa*.

**MUNNOZIA** (Compos.).

- fournetii* H. Robinson in *Phytologia*, 63(5): 407 (1987)—Bolivia.

**MUNRONIA** (Meliac.).

- hainanensis*  
*var. microphyllina* X.M. Chen in *J. Wuhan Bot. Res.*, 4(2): 173 (1986)—China.  
*pinnata* (Wall.) W. Theobald in *F. Mason, Burmah, ed. 3*, 2: 581 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Turraea pinnata*.

**MURALTIA** (Polygalac.).

- bondii* J.H.J. Vlok in *S. Afr. J. Bot.*, 55(3): 365 (1989)—South Africa (Cape Province).

**MURCHISONIA** (Anthericac.).

- volubilis* N.H. Brittan in *Fl. S. Australia*, 4: 1762 (1986)—Australia (W. Australia, N. Terr., S. Australia).

**MURDANNIA** (Commelinac.).

- nimmoniana* (Graham) P.V. Bole & M.R. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(3): 593 (1986 publ. 1987): *Commelina nimmoniana*.

**MURRAYA** (Rutac.).

- sect. Bergera* (Koenig ex L.) P.P.H. But & Y.C. Kong in *Acta Phytotax. Sin.*, 24(3): 189 (1986): gen. *Bergera*.

**MUSA** (Musac.).

- dechangensis* J.L. Liu & M.G. Liu in *Acta Bot. Yunnanica*, 9(2): 163 (1987)—China.  
*lushanensis* J.L. Liu in *Acta Bot. Yunnanica*, 11(2): 171 (1989)—China.  
*luteola* J.L. Liu in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 41 (1990)—China.

**MUSCARI** (Hyacinthac.).

- botryoides*  
*subsp. motelayi* (Fouc.) M. Kerguelen in *Lejeunia*, 120: 130 (1987): *M. motelayi*.  
*macbeathianum* Küt Tan in *Herbertia*, 44(1): 26 (1988), as 'mebeathianum'—Turkey.  
*matritensis* M. Ruiz Rejón, L. Pascual, C. Ruiz Rejón, B. Valdés & J.L. Oliver in *Lagascalia*, 14(2): 295 (1986)—Spain.†  
*mirum* F. Speta in *Phyton (Austria)*, 29(1): 107 (1989)—Turkey.  
*sandrasicum* T. Karlén in *Willdenowia*, 16(2): 375 (1987)—Turkey.

- MUSELLA** (Fr.) Wu ex H.W. Li in *Acta Phytotax. Sin.*, 16(3): 57 (1978), et in *Fl. Yunnanica*, 2: 727 (1979): *Musa* sect. *Musella* (Musac.).†  
*lasiocarpa* (Fr.) Wu ex H.W. Li in *Acta Phytotax. Sin.*, 16(3): 56 (1978), et in *Fl. Yunnanica*, 2: 727 (1979): *Musa lasiocarpa*.†

**MUSSAENDA** (Rubiaceae).

- andersonii* S.K. Basu & T.K. Paul in *J. Bombay Nat. Hist. Soc.*, 86(3): 430 (1989 publ. 1990)—Sikkim, India.  
*chingii* C.Y. Wu ex H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 236 (1986)—China.  
*inflata* H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 234 (1986)—China.  
*mollissima* C.Y. Wu ex H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 235 (1986)—China.  
*multinervis* C.Y. Wu ex H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 237 (1986)—China.  
*pingbianensis* C.Y. Wu ex H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 233 (1986)—China.  
*pubescens*  
*f. clematidiflora* Chun ex H.H. Hsue & H. Wu in *Acta Phytotax. Sin.*, 24(3): 239 (1986)—China.

**MYCETIA** (Rubiaceae).

- membranacea* N. Fukuoka in *Acta Phytotax. Geobot.*, 40(1-4): 112 (1989)—Thailand.  
*ovatifistipulata* N. Fukuoka in *Acta Phytotax. Geobot.*, 40(1-4): 110 (1989)—Thailand.  
*paniculiformis* N. Fukuoka in *Acta Phytotax. Geobot.*, 40(1-4): 114 (1989)—Thailand.  
*rodgeri* D.B. Deb & Mondal in *Bull. Bot. Surv. India*, 28(1-4): 127 (1986 publ. 1988)—Burma.  
*siamensis* N. Fukuoka in *Acta Phytotax. Geobot.*, 40(1-4): 114 (1989)—Thailand.  
*stipulata*  
*subsp. macrostachya* (Hook. f.) D.B. Deb in *Bull. Bot. Surv. India*, 28(1-4): 129 (1986 publ. 1988): *Adenosacme macrostachya*.

**MYOGALUM** (Liliac.).

- coarctatum* (Jacq.) Endl., *Cat. Horti Vindob.*, 1: 134 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): *Basionym* not stated.

**MYOGALUM** :-

- flavescens (Jacq.) Endl., *Cat. Horti Vindob.*, 1: 134 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.
- thyrsoides (Jacq.) Endl., *Cat. Horti Vindob.*, 1: 134 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Ornithogalum thyrsoides.

**MYOPORUM** (Myoporac.).

- glandulosum (Spin.) Spin., *Cat. Jard. Bot. St. Seb.*: 18, 29 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984): Bertolonia glandulosa.
- kermadecense W.R. Sykes in *New Zealand J. Bot.*, 25(4): 595 (1987 publ. 1988)—Kermadec Is.
- turbatum R.J. Chinnock in *Nuytsia*, 5(3): 398 (1986)—Australia (W. Australia).

**MYOSOTIS** (Boraginac.).

- ser. Alpestres D.N. Dobrochaeva in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 125 (1976 publ. 1977).
- cyanea (Boiss. & Heldr.) D. Peev & N. Andreev in *Fl. Nar. Republ. Bulgariya*, 9: 196 (1989): M. sylvatica f. cyanea.
- jordanovii N. Andreev & D. Peev in *Fl. Nar. Republ. Bulgariya*, 9: 506, 198 (1989)—Bulgaria.
- orbicella (Vel.) D. Peev & N. Andreev in *Fl. Nar. Republ. Bulgariya*, 9: 210 (1989): M. palustris var. orbicella.
- radix-palaris A.P. Khokhryakov in *Byull. Glavn. Bot. Sada (Moscow)*, 152: 60 (1989)—U.S.S.R. (Caucasus).
- scorpioides
- var. praecox (Hülph.) B. Jonsell in *Blyttia*, 46(1-2): 67 (1988): M. praecox.
- superalpina A.P. Khokhryakov in *Byull. Glavn. Bot. Sada (Moscow)*, 152: 59 (1989)—U.S.S.R. (Caucasus).
- tenuis (Ledeb.) Mörch, *Cat. Hort. Bot. Hafn.*: 64 (1839); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984): Basionym not stated.

**MYOSURUS** (Ranunculac.).

- minimus
- subsp. novae-zelandiae (Oliver) P.J. Garnock-Jones in *New Zealand J. Bot.*, 24(2): 352 (1986): M. novae-zelandiae.

**MYOXANTHUS** (Orchidac.).

- aspasicensis (Rchb. f.) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis aspasicensis.
- lappiformis (Heller & L.O. Wms.) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis lappiformis.
- pan (Luer) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis pan.
- pastacensis (Luer) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis pastacensis.
- sempergemmatus (Luer) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis sempergemmata.
- spilanthus (Barb. Rodr.) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis spilantha.
- stonei (Luer) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis stonei.
- uncinatus (Fawc.) C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 38 (1986): Pleurothallis uncinata.

**MYRCEUGENIA** (Myrtac.).

- decussata J.R. Mattos in *Loefgrenia*, 94: 8 (1989)—Brazil.

**MYRCIA** (Myrtac.).

- botris (Berg) N.J.E. Silveira in *Loefgrenia*, 91: 1 (1987): Aulomyrcia botris.
- curassavica (Amsh.) A.L. Stoffers in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 84(3): 349 (1981): Aulomyrcia curassavica.

**MYRCIA** :-

- rufipes
- var. dives (Berg) N.J.E. Silveira in *Loefgrenia*, 91: 2 (1987): Aulomyrcia rufipes var. dives.
- selloi (Spreng.) N.J.E. Silveira in *Loefgrenia*, 89: 5 (1986): Myrtus selloi.
- var. acutata (Bg.) N.J.E. Silveira in *Loefgrenia*, 89: 6 (1986): Aulomyrcia ramulosa var. acutata.
- var. australis (Berg) N.J.E. Silveira in *Loefgrenia*, 89: 7 (1986): Aulomyrcia ramulosa var. australis.
- var. megapotaamica (Legr.) N.J.E. Silveira in *Loefgrenia*, 92: 3 (1988): M. ramulosa var. megapotaamica.
- var. microsiphonata (Legr.) N.J.E. Silveira in *Loefgrenia*, 89: 7 (1986): M. microsiphonata.
- velhensis (Berg) N.J.E. Silveira in *Loefgrenia*, 91: 1 (1987): Aulomyrcia velhensis.

**MYRCIANTHES** (Myrtac.).

- coquimbensis (Barneoud) L.R. Landrum & F.T. Grifo in *Brittonia*, 40(3): 290 (1988): Myrtus coquimbensis.
- rigidissima (Cufodontis) W.D. Stevens in *Phytologia*, 64(5): 333 (1988): Eugenia rigidissima.

**MYRCIARIA** (Myrtac.).

- sulcata J.R. Mattos in *Loefgrenia*, 90: 2 (1986)—Brazil.

**MYRIACTIS** (Compos.).

- cuchumatana (Beaman & De Jong) J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 422 (1985 publ. 1986): Lagenophora cuchumatana.
- humilis
- var. bipinnatisecta (Kitamura) S.S. Ying,  *Alp. Pl. Taiwan in Color*, 2: 276 (1978): M. bipinnatisecta.
- minuscula (Cuatr.) J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 422 (1985 publ. 1986): Lagenifera minuscula.
- panamensis (Blake) J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 422 (1985 publ. 1986): Lagenophora panamensis.
- sakirana (Cuatr.) J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 422 (1985 publ. 1986): Lagenifera sakirana.
- westonii (Cuatr.) J. Cuatrecasas in *An. Jard. Bot. Madrid*, 42(2): 422 (1985 publ. 1986): Lagenifera westonii.

**MYRICA** (Myricac.).

- nagi C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 884 (1784)—Japan.†

**MYRIOCEPHALUS** (Compos.).

- pluriflorus (J. Black) D.A. Cooke in *Fl. S. Australia*, 3: 1563 (1986): M. rhizocephalus var. pluriflorus.

**MYRIOPHYLLUM** (Haloragac.).

- alpinum A.E. Orchard in *Brunonia*, 8(2): 208 (1986)—Australia (New South Wales, Victoria).
- austropygmaeum A.E. Orchard in *Brunonia*, 8(2): 280 (1986)—Tasmania.
- balladoniense A.E. Orchard in *Brunonia*, 8(2): 221 (1986)—Australia (W. Australia).
- callitrichoides
- subsp. striatum A.E. Orchard in *Brunonia*, 8(2): 252 (1986)—Australia (W. Australia).
- costatum A.E. Orchard in *Brunonia*, 8(2): 245 (1986)—Australia (W. Australia).
- crispatum A.E. Orchard in *Brunonia*, 8(2): 210 (1986)—Australia (New South Wales, Queensland, Victoria, ?S. Australia, W. Australia), Tasmania.
- decussatum A.E. Orchard in *Brunonia*, 8(2): 282 (1986)—Australia (W. Australia).
- echinatum A.E. Orchard in *Brunonia*, 8(2): 259 (1986)—Australia (W. Australia).
- gracile
- var. laeve A.E. Orchard in *Brunonia*, 8(2): 235 (1986)—Australia (Queensland).
- var. lineare A.E. Orchard in *Brunonia*, 8(2): 234 (1986)—Australia (New South Wales, Queensland).
- implicatum A.E. Orchard in *Brunonia*, 8(2): 240 (1986)—Australia (Queensland, ?New South Wales).
- limnophilum A.E. Orchard in *Brunonia*, 8(2): 252 (1986)—Australia (W. Australia).

**MYRIOPHYLLUM** :-

- lophatum A.E. Orchard in *Brunonia*, 8(2): 277 (1986)—Australia (New South Wales, Victoria).
- muricatum A.E. Orchard in *Brunonia*, 8(2): 223 (1986)—Australia (N. Terr., Queensland).
- papillosum A.E. Orchard in *Brunonia*, 8(2): 214 (1986)—Australia (New South Wales, Victoria, S. Australia, ?Queensland).
- pedunculatum
- subsp. longibracteolatum (Schindler) A.E. Orchard in *Brunonia*, 8(2): 273 (1986): M. longibracteolatum.
- petraeum A.E. Orchard in *Brunonia*, 8(2): 247 (1986)—Australia (W. Australia).
- simulans A.E. Orchard in *Brunonia*, 8(2): 203 (1986)—Australia (S. Australia, Victoria, New South Wales, Queensland), Tasmania.
- striatum A.E. Orchard in *Brunonia*, 8(2): 243 (1986)—Australia (New South Wales, Queensland, Victoria).

**MYRISTICA** (Myristicac.).

- alba W.J.F.O. de Wilde in *Blumea*, 35(1): 238 (1990)—Moluccas.
- bifurcata (Sinclair) W.J.F.O. de Wilde in *Blumea*, 35(1): 239 (1990): M. lancifolia var. bifurcata.
- subsp. sulaica W.J.F.O. de Wilde in *Blumea*, 35(1): 241 (1990)—Moluccas.
- fissurata W.J.F.O. de Wilde in *Blumea*, 35(1): 243 (1990)—Moluccas.
- lakilaki G. Murata & A. Nitta in *Acta Phytotax. Geobot.*, 40(5-6): 177 (1989)—Moluccas.
- lancifolia
- subsp. montana (Roxb.) W.J.F.O. de Wilde in *Blumea*, 35(1): 247 (1990): M. montana.
- lepidota
- subsp. montanoides (Warb.) W.J.F.O. de Wilde in *Blumea*, 35(1): 248 (1990): M. montanoides.
- pubicarpa W.J.F.O. de Wilde in *Blumea*, 35(1): 251 (1990)—Moluccas.
- robusta W.J.F.O. de Wilde in *Blumea*, 35(1): 253 (1990)—Moluccas.
- sangowensis (Sinclair) W.J.F.O. de Wilde in *Blumea*, 35(1): 254 (1990): M. fatua var. sangowensis.
- simiarum
- subsp. celebica (Miq.) W.J.F.O. de Wilde in *Blumea*, 35(1): 255 (1990): M. celebica.

**×MYRMECOLAELIA** (Orchidac.).

- fuchsii F. Hamer in  *Ic. Pl. Trop.*, 13 (Orch. Nicaragua, pt. 6): t. 1236 (1985), without latin descr.—Nicaragua. (Laelia rubescens × Myrmecophila wendlandii).

**MYRSINE** (Myrsinac.).

- rolletii R.A. Howard in *Phytologia*, 65(4): 287 (1988), nom. nov.: Rapanea rotundifolia Mez.
- vaccinioides W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Bishop Mus. Occas. Pap.*, 29: 107 (1989)—Hawaiian Is.

**×MYRTOCEREUS** R. Mottram, *Contrib. New Class. Cact. Fam.*: 59 (1990). **CACTACEAE**. (Myrtillocactus × Nyctocereus).**MYRTUS** (Myrtac.).

- artensis (Montr.) A. Guillaumin & G. Beauvisage in *Ann. Soc. Bot. Lyon*, 38: 91 (1913 publ. 1914); et *Sp. Montrouz.*: 17 (1914) (reprint): Helianthemum artense.†
- laevis C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 461 (1784)—Japan.†
- pimentoides (DC.) T. Nees, *Pl. Offic., Suppl.*: t. 89 (1833); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.

**MYSCOLUS** (Compos.).

- hispanicus (L.) Endl., *Cat. Horti Vindob.*, 1: 410 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Scorzonera hispanica.

**MYSTACIDIUM** (Orchidac.).

- nguruense P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 596 (1989)—Tanzania.

**MYXOPAPPUS** M. Källersjö in Bot. J. Linn. Soc., 96(4): 314 (1988). **COMPOSITAE**.  
*acutibolus* (DC.) M. Källersjö in Bot. J. Linn. Soc., 96(4): 315 (1988): *Tanacetum acutibolus*.  
*hereroensis* (O. Hoffm.) M. Källersjö in Bot. J. Linn. Soc., 96(4): 316 (1988): *Pentzia hereroensis*.

**MYZORRHIZA** (Scrophulariac.).

*comosa* (Walp.) J. Holub in *Preslia*, 62(3): 196 (1990): *Anoplanganthus comosus*.  
*multicaulis* (Brandegee) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha multicaulis*.  
*parishii* (Jepson) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha californica* var. *parishii*.  
*tacnaensis* (Mattf.) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha tacnaensis*.  
*valida* (Jepson) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha valida*.  
*vallicola* (Jepson) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha comosa* var. *vallicola*.  
*weberbaueri* (Mattf.) J. Holub in *Preslia*, 62(3): 196 (1990): *Orobancha weberbaueri*.

**MZYMTTELLA** A.A. Kolakovskii in Soobshch. Akad. Nauk Gruz. SSR, 103(1): 150 (1981). **CAMPANULACEAE**.  
*sclerophylla* A.A. Kolakovskii in Soobshch. Akad. Nauk Gruz. SSR, 103(1): 151 (1981)—U.S.S.R. (Caucasus).

**N**

**NABALUS** (Compos.).

*albus* (L.) C. Shih in *Acta Phytotax. Sin.*, 25(3): 194 (1987): *Prenanthes alba*.

**NAGEIA** (Podocarpace.).

sect. *Afrocarpus* (Buchholz & Gray) D.J. de Laubenfels in *Blumea*, 32(1): 211 (1987): *Podocarpus* sect. *Afrocarpus*.  
 sect. *Polypodiopsis* (Bertrand) D.J. de Laubenfels in *Blumea*, 32(1): 210 (1987): *Podocarpus* sect. *Polypodiopsis*.  
*comptonii* (Buchholz) D.J. de Laubenfels in *Blumea*, 32(1): 211 (1987): *Podocarpus comptonii*.  
*fleurii* (Hickel) D.J. de Laubenfels in *Blumea*, 32(1): 210 (1987): *Podocarpus fleurii*.  
*formosensis* (Dummer) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 382 (1988 publ. 1989): *Podocarpus formosensis*.  
*maximus* (de Laub.) D.J. de Laubenfels in *Blumea*, 32(1): 210 (1987): *Decussocarpus maximus*.  
*motleyi* (Parl.) D.J. de Laubenfels in *Blumea*, 32(1): 210 (1987): *Dammara motleyi*.  
*nagi*  
 var. *formosensis* (Dummer) J. Silba in *Phytologia*, 68(1): 38 (1990): *Podocarpus formosensis*.  
*piresii* (Silba) D.J. de Laubenfels in *Blumea*, 32(1): 211 (1987): *Decussocarpus piresii*.  
*rospiglosii* (Pilger) D.J. de Laubenfels in *Blumea*, 32(1): 211 (1987): *Podocarpus rospiglosii*.

**NAJAS** (Najadac.).

*arguta*  
 var. *podostemon* (Magnus) R.M. Lowden in *Aquatic Bot.*, 24(2): 180 (1986): *N. podostemon*.  
 graminea  
 var. *longidentata* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 143 (1988)—Celebes.  
 var. *recurvata* J.B. He, L.Y. Zhou & H.Q. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 126 (1988)—China.  
*grossareolata* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 103 (1988)—Sri Lanka.  
*guadalupensis*  
 f. *floridana* (Haynes & Wentz.) R.M. Lowden in *Aquatic Bot.*, 24(2): 174 (1986): *N. guadalupensis* var. *floridana*.

**NAJAS** :-

*halophila* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 113 (1988)—Java, New Guinea (Papua New Guinea), Australia (Queensland).  
*marina*  
 subsp. *arsenariensis* (Maire) L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 21(4): 32 (1987): *N. arsenariensis*.  
 subsp. *commersonii* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 21(4): 27 (1987)—Réunion, Mauritius, Madagascar.  
 subsp. *ehrenbergii* (A. Br.) L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 21(4): 24 (1987): *N. major* var. *ehrenbergii*.  
 var. *kashmirensis* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 56 (1988)—India.  
 subsp. *latior* (K. Schum.) L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 60 (1988): *N. marina* var. *latior*.  
 subsp. *microcarpa* (A. Br.) L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 21(4): 25 (1987): *N. major* var. *microcarpa*.  
 var. *ohwii* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 54 (1988)—Japan.  
 subsp. *sumatrana* (de Wilde) L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 70 (1988): *N. marina* var. *sumatrana*.  
 subsp. *susiana* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 69 (1988)—Iraq, Iran.  
*orientalis* L. Triest & P. Uotila in *Ann. Bot. Fenn.*, 23(2): 169 (1986)—Japan, U.S.S.R. (Soviet Far East), China.  
*poyangensis* S.F. Guan & Q. Lang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 78 (1987)—China.  
*pseudograssillima* L. Triest in *Mém. Acad. Roy. Sci. Outre-Mer, Sci. Nat. Nouv. Sér.*, 22(1): 98 (1988)—Hong Kong.

**NAMA** (Hydrophyllac.).

*californicum* (A. Gray) J.D. Bacon in *Aliso*, 12(2): 332 (1989): *Lemmonia californica*.

**NANDINA** (Berberidac.).

*domestica*  
 var. *linearifolia* C.Y. Wu ex S.Y. Bao in *Acta Phytotax. Sin.*, 25(2): 154 (1987)—China.

**NAPEANTHUS** (Gesneriac.).

*bicolor* (L.O. Wms.) K. Barringer in *Phytologia*, 59(5): 365 (1986): *Tetranema bicolor*.

**NARAVELIA** (Ranunculac.).

*eichleri* M. Tamura in *Acta Phytotax. Geobot.*, 37(4-6): 109 (1986)—Thailand.

**NARCISSUS** (Amaryllidac.).

*nothosubsect. Angustizettiae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. subsect. *Angustifoliae* × subsect. *Tazettiae*).  
*nothosect. Braxini* J. Fernández Casas in *Fontqueria*, 6: 36 (1984). (N. sect. *Braxireon* × sect. *Serotini*).  
*nothosect. Bulbissi* J. Fernández Casas in *Fontqueria*, 6: 36 (1984). (N. sect. *Bulbocodium* × sect. *Pseudonarcissi*).  
*nothosect. Bulbomedes* J. Fernández Casas in *Fontqueria*, 6: 36 (1984). (N. sect. *Bulbocodium* × sect. *Ganymedes*).  
*nothosect. Bulboquillae* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Bulbocodium* × sect. *Jonquillae*).  
 sect. *Chloraster* (Haworth) E. Dorda & J. Fernández Casas in *Fontqueria*, 27: 120 (1989): gen. *Chloraster*.  
*nothosubsect. Chlorifoliae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. subsect. *Angustifoliae* × subsect. *Chloranthi*).  
 sect. *Dubii* J. Fernández Casas in *Fontqueria*, 6: 39 (1984).  
*nothosect. Dubiquillae* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Dubii* × sect. *Jonquillae*).  
*nothosect. Ganycissi* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Ganymedes* × sect. *Pseudonarcissi*).

**NARCISSUS** :-

*nothosect. Ganyquillae* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Ganymedes* × sect. *Jonquillae*).  
*nothosect. Joncissus* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Jonquillae* × sect. *Narcissus*).  
*nothosect. Jonissi* J. Fernández Casas in *Fontqueria*, 6: 37 (1984). (N. sect. *Jonquillae* × sect. *Pseudonarcissi*).  
*nothosect. Jonquizettiae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. sect. *Jonquillae* × sect. *Tazettiae*).  
*nothosect. Narcisettiae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. sect. *Narcissus* × sect. *Tazettiae*).  
*nothosect. Nassi* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. sect. *Narcissus* × sect. *Pseudonarcissi*).  
*nothosect. Pseudozettiae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. sect. *Pseudonarcissi* × sect. *Tazettiae*).  
*nothosect. Serozettiae* J. Fernández Casas in *Fontqueria*, 6: 39 (1984). (N. sect. *Serotini* × sect. *Tazettiae*).  
*ajax Sweet, Hort. Suburb. Lond.*: 67 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.  
*albimarginatus* D. & U. Müller-Doblies in *Flow. Pl. Afr.*, 50(2): t. 1986 (1989)—Morocco.  
 × *alejandrei* J. Fernández Casas in *Fontqueria*, 11: 22 (1986)—Spain. (N. *citrinus* × *vasconicus*).  
 × *aloysi-villarii* J. Fernández Casas in *Fontqueria*, 11: 19 (1986)—Spain. (N. *alpestris* × *jacetanus*).  
*assoanus*  
 var. *pallens* (Freyn ex Willk.) J. Fernández Casas in *Fontqueria*, 1: 10 (1982): *N. pallens*.  
*baeticus* J. Fernández Casas in *Fontqueria*, 1: 11 (1982)—Spain.  
 × *barrae* J. Fernández Casas in *Fontqueria*, 14: 18 (1987)—Spain. (N. *bulbocodium* × *cantabricus*).  
 × *bergidensis* J. Fernández Casas & M.A. Rivas Ponce in *Fontqueria*, 21: 31 (1988)—Spain. (N. *fontqueri* × *triandrus*).  
 × *brevitubulosus*  
*nothovar. javieri* A. Fernandes in *Mem. Acad. Ciênc. Lisboa*, 27: 242 (1986); et in *Fontqueria*, 13: 12 (1987)—Portugal.  
*nothovar. paivae* A. Fernandes in *Mem. Acad. Ciênc. Lisboa*, 27: 245 (1986); et in *Fontqueria*, 13: 15 (1987)—Portugal.  
*bugei* (Fernández Casas) J. Fernández Casas in *Lagascalia*, 14(1): 176 (1986): *N. longispathus* var. *bugei*.  
*bulbocodium*  
 subsp. *citrinus* (Baker) J. Fernández Casas in *Fontqueria*, 2: 39 (1982): *N. bulbocodium* var. *citrinus*.  
 subsp. *quintanilhae* A. Fernandes in *Bol. Soc. Brot.*, 60: 305 (1987)—Portugal.  
*calcicarpetus* J. Fernández Casas in *Fontqueria*, 2: 33 (1982)—Spain.  
*cantabricus*  
 subsp. *hedraeanthus* (Webb & Heldr.) J. Fernández Casas in *Fontqueria*, 1: 12 (1982): *Corbularia hedraeantha*.  
*capax Salisb. ex Sweet, Hort. Suburb. Lond.*, (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.  
 × *carpetanus* (Barra & G. López) J. Fernández Casas in *Fontqueria*, 6: 49 (1984): *N. bulbocodium* nothosubsp. *carpetanus*.  
 × *cazorlanus* J. Fernández Casas in *Fontqueria*, 2: 37 (1982)—Spain. (N. *cantabricus* subsp. *hedraeanthus* × *triandrus* subsp. *pallidulus*).  
*citrinus* (Baker) J. Fernández Casas in *Fontqueria*, 6: 49 (1984): *N. bulbocodium* var. *citrinus*.  
 × *consolationis* J. Fernández Casas in *Fontqueria*, 2: 37 (1982)—Spain. (N. *nivalis* × *triandrus* subsp. *pallidulus*).  
*cordubensis* J. Fernández Casas in *Fontqueria*, 1: 10 (1982)—Spain.  
 × *emeritensis* J. Fernández Casas in *Fontqueria*, 14: 18 (1987)—Spain. (N. *pallidulus* × *tenuifolius*).  
*eugeniae* J. Fernández Casas in *Fontqueria*, 1: 11 (1982)—Spain.  
 × *felinieri* J. Fernández Casas in *Fontqueria*, 11: 16 (1986)—Spain.



**NARCISSUS** :-

- fernandesii*  
*var. cordubensis* (Fernández Casas) J. Fernández Casas in *Fontqueria*, 8: 31 (1985): N. cordubensis.  
*fontqueri* J. Fernández Casas & M.A. Rivas Ponce in *Fontqueria*, 21: 27 (1988)—Spain.  
*genesii-lopezii* J. Fernández Casas in *Fontqueria*, 14: 19 (1987)—Spain.  
*herminii* J. Fernández Casas & M.A. Rivas Ponce in *Fontqueria*, 20: 25 (1988)—Spain. (N. gr. nivalis × primigenius).  
*hispanicus*  
*var. bujei* (J. Fernández Casas) J. Fernández Casas in *Fontqueria*, 6: 41 (1984): N. longispatus *var. bujei*.  
*jacquemoudii* J. Fernández Casas in *Fontqueria*, 10: 11 (1986)—Morocco.  
*jeanmonodii* J. Fernández Casas in *Fontqueria*, 10: 9 (1986)—Morocco.  
*juressianus* J. Fernández Casas in *Fontqueria*, 10: 10 (1986)—Spain.  
*longispatus*  
*var. bujei* J. Fernández Casas in *Fontqueria*, 2: 33 (1982)—Spain.  
*lopezii* J. Fernández Casas in *Fontqueria*, 2: 37 (1982)—Spain. (N. bulbocodium × obvallaris).  
*lusitanicus* E. Dorda & J. Fernández Casas in *Fontqueria*, 27: 123 (1989)—Portugal.  
*magni-antonii* J. Fernández Casas in *Fontqueria*, 14: 18 (1987)—Spain. (N. cantabricus × tenuifolius).  
*marianicus* J. Fernández Casas in *Fontqueria*, 1: 10 (1982)—Spain.  
*molerioi* J. Fernández Casas in *Fontqueria*, 14: 21 (1987)—Spain.  
*montcaunicus* J. Fernández Casas in *Fontqueria*, 2: 31 (1982)—Spain. (N. bulbocodium × eugeniae).  
*montsiccianus* A.M. Romo in *Fontqueria*, 24: 15 (1989)—Spain. (N. assoanus × palearensis).  
*neocarpetanus*  
*nothovar. romanensis* J.F. Ureña Plaza in *An. Jard. Bot. Madrid*, 43(1): 185 (1986)—Spain. (N. bulbocodium *var. bulbocodium* × cantabricus).  
*palearensis* A.M. Romo in *Fontqueria*, 24: 15 (1989); *et Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 329 (1989)—Spain.  
*perez-chiscanoi* J. Fernández Casas in *Fontqueria*, 14: 19 (1987)—Spain.  
*ponsii-sorollae* J. Fernández-Casas, *Exsicc. nobis distrib.*, 3: 12 (1980)—Spain. (N. pallidulus × requienii).  
*primigenius* (Fernández Suárez ex Lainz) J. Fernández Casas & Lainz in *Fontqueria*, 11: 15 (1986): N. pseudonarcissus *var. primigenius*.  
*pseudonarcissus*  
*var. leonensis* (Pugsley) M.A. Fernández Suárez ex M. Lainz, *Mis contrib. conoim. fl. Asturias*: 77 (1982): N. leonensis.  
*subsp. leonensis* (Pugsley) J. Fernández Casas & Lainz in *Fontqueria*, 6: 50 (1984): N. leonensis.  
*var. primigenius* M.A. Fernández Suárez ex M. Lainz, *Mis contrib. conoim. fl. Asturias*: 77 (1982)—Spain.  
*subsp. primigenius* (Fernández Suárez ex Lainz) J. Fernández Casas & Lainz in *Fontqueria*, 6: 49 (1984): N. pseudonarcissus *var. primigenius*.  
*pugsleyi* J. Fernández Casas in *Fontqueria*, 6: 41 (1984)—Spain. (N. alpestris × assoanus).  
*radiganorum* J. Fernández Casas in *Fontqueria*, 6: 41 (1984)—Spain.  
*redoutei* Sweet, *Hort. Brit.*, ed. 2: 514 (1830); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982)—Locality not stated.  
*rozeirae* J. Fernández Casas & Pérez Chiscano in *Fontqueria*, 6: 43 (1984)—Spain. (N. bulbocodium × pallidulus).  
*segimonensis* J. Fernández Casas in *Fontqueria*, 2: 31 (1982)—Spain.  
*stenanthus* (Lange) J. Fernández Casas in *Fontqueria*, 1: 12 (1982): N. pseudonarcissus f. *stenanthus*. (N. confusus × nivalis).  
*subnivalis* J. Fernández Casas in *Fontqueria*, 10: 10 (1986)—Spain.  
*susannae* J. Fernández Casas, *Exsicc. nobis distrib.*, 3: 13 (1980)—Spain. (N. cantabricus × pallidulus).  
*nothovar. toletanus* J. Fernández Casas & M. Luceño in *An. Jard. Bot. Madrid*, 43(1): 187 (1986)—Spain. (N. cantabricus × pallidulus).

**NARCISSUS** :-

- ×*turgaliensis* H. Dorda & J. Fernández Casas in *Bol. Soc. Brot.*, 60: 177 (1987)—Spain. (N. conspicuus × jonquilla).  
*vasconicus* (Fernández Casas) J. Fernández Casas in *Fontqueria*, 11: 19 (1986): N. jactatus *subsp. vasconicus*.

**NARTHEX** (Umbellif.).

- asafoetida* Falconer ex Lindl., *Gard. Chron.*, 1846: 743 (7 Nov. 1846) *et in Athenaeum*, 1846(996): 1222 (1846); *cf. D.J. Mabberley in Taxon*, 31(1): 71 (1982)—Locality not stated.

**NASSAUVIA** (Compos.).

- coronipappa* M.T.K. Arroyo & C. Marticorena in *Brittonia*, 40(3): 332 (1988)—Chile.

**NASSELLA** (Gramin.).

- airoides* (Ekman) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa airoides.  
*amethystina* (Steudel) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa amethystina.  
*archavaletae* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa archavaletae.  
*ayacuchensis* (Tovar) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa ayacuchensis.  
*barrancaensis* (Roig) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa barrancaensis.  
*bonariensis* (Hemard & Parodi) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa bonariensis.  
*brachychaeta* (Godron) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa brachychaeta.  
*brachychaetoides* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa brachychaetoides.  
*brachyphylla* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa brachyphylla.  
*cernua* (Stebbins & Love) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa cernua.  
*charruana* (Arech.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa charruana.  
*clarazii* (Ball) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa clarazii.  
*cordobensis* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa cordobensis.  
*crassiflora* (Roseng. & Arrill.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa crassiflora.  
*curamalensis* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa curamalensis.  
*curviseta* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa curviseta.  
*depauperata* (Pilger) M.E. Barkworth in *Taxon*, 39(4): 609 (1990): Stipa depauperata.  
*duriuscula* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa duriuscula.  
*filiculmis* (Delile) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa filiculmis.  
*formicarum* (Delile) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa formicarum.  
*hirtifolia* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa hirtifolia.  
*holwayi* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa holwayi.  
*huallancaensis* (Tovar) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa huallancaensis.  
*hunzikeri* (Caro) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa hunzikeri.  
*hyalina* (Nees) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa hyalina.  
*inconspicua* (Presl) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa inconspicua.  
*jurgensii* (Hackel) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa jurgensii.  
*lachnophylla* (Trin.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa lachnophylla.  
*laevissima* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Piptochaetium laevissimum.  
*lepida* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa lepida.  
*leptocoronata* (Roseng. & Arrill.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa leptocoronata.  
*leucotricha* (Trin. & Rupr.) Pohl in *Taxon*, 39(4): 610 (1990): Stipa leucotricha.  
*longicoronata* (Roseng. & Arr.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa longicoronata.  
*longiglumis* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa longiglumis.

**NASSELLA** :-

- macrathera* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa macrathera.  
*manicata* (Desv.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa manicata.  
*megapotamia* (Spreng. ex Trin.) M.E. Barkworth in *Taxon*, 39(4): 610 (1990): Stipa megapotamia.  
*melanosperma* (J. Presl) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa melanosperma.  
*mexicana* (A. Hitchc.) Pohl in *Taxon*, 39(4): 611 (1990): Stipa mexicana.  
*mucronata* (H.B.K.) Pohl in *Taxon*, 39(4): 611 (1990): Stipa mucronata.  
*nardoides* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Danthonia nardoides.  
*neesiana* (Trinius & Ruprecht) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa neesiana.  
*nidulans* (Mez) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa nidulans.  
*niduloides* (Caro) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa niduloides.  
*nutans* (Hackel) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa nutans.  
*pampagrandensis* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa pampagrandensis.  
*pampeana* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa pampeana.  
*parodii* (Matthaei) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa parodii.  
*pauciciliata* (Roseng. & Izag.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa megapotamica *var. pauciciliata*.  
*pfisteri* (Matthaei) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa pfisteri.  
*philippii* (Steudel) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa philippii.  
*poepigiana* (Trin. & Rupr.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa poepigiana.  
*pseudopampagrandensis* (Caro) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa pseudopampagrandensis.  
*pulchra* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa pulchra.  
*rosengurtii* (Chase) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa rosenfurtii.  
*sanluisensis* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 611 (1990): Stipa sanluisensis.  
*smithii* (A. Hitchc.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa smithii.  
*soukupii* (Tovar) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa soukupii.  
*spiegazzinii* (Arech.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa spiegazzinii.  
*stuckertii* (Hackel) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa stuckertii.  
*subnitida* (Roseng. & Arrill.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa subnitida.  
*tenuis* (Phil.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa tenuis.  
*tenuissima* (Trinius) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa tenuissima.  
*torquata* (Speg.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa torquata.  
*ventanica* (Cabrera & Torres) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa ventanica.  
*viridula* (Trin.) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa viridula.  
*wurdackii* (Tovar) M.E. Barkworth in *Taxon*, 39(4): 612 (1990): Stipa wurdackii.

**NASTURTIIUM** (Crucif.).

- valdes-bermejoi* S. Castroviejo in *An. Jard. Bot. Madrid*, 43(1): 17 (1986)—Spain.

**NAUPLIUS** (Compos.).

- daltonii* (Webb) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 78 (1986); *et in Nordic J. Bot.*, 7(1): 15 (1987): Odontospermum daltonii.  
*subsp. vogelii* (Webb) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 79 (1986); *et in Nordic J. Bot.*, 7(1): 15 (1987): Odontospermum vogelii.  
*graveolens* (Forssk.) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 80 (1986); *et in Nordic J. Bot.*, 7(1): 16 (1987): Bupththalmum graveolens.

**NAUPLIUS** :-

- subsp. odorus* (Schousb.) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 92 (1986), as 'odorum'; et in *Nordic J. Bot.*, 7(1): 19 (1987): Bupththalmum odorum.
- subsp. stenophyllus* (Link) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 94 (1986); et in *Nordic J. Bot.*, 7(1): 19 (1987): Bupththalmum stenophyllum.
- imbricatus* (Cav.) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 60 (1986); et in *Nordic J. Bot.*, 7(1): 10 (1987): Bupththalmum imbricatum.
- schultzei* (Bolle) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 55 (1986); et in *Nordic J. Bot.*, 7(1): 8 (1987): Odontospermum schultzei.
- smithii* (Webb) A. Wiklund, *Some genera in Inula-group (Asterac.-Inuleae)*: 77 (1986); et in *Nordic J. Bot.*, 7(1): 15 (1987): Odontospermum smithii.

**NAUTILOCALYX** (Gesneriac.). \*

- pemphidius* L.E. Skog in *Syst. Bot.*, 14(3): 281 (1989)—Venezuela.

**NAVARRETIA** (Polemoniace.).

- pusilla* Hort. Par. ex Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1833: 4 (1833); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.

**NAVIA** (Bromeliac.).

- albiflora* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 11 (1984)—Venezuela.
- aliciae* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 13 (1984)—Venezuela.
- berryana* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 712 (1986 publ. 1987)—Venezuela.
- carnevalii* L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 952 (1989)—Venezuela.
- crassicaulis* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 708 (1986 publ. 1987)—Venezuela.
- culcitaria* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 712 (1986 publ. 1987)—Venezuela.
- delascionis* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 709 (1986 publ. 1987)—Venezuela.
- filifera* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 713 (1986 publ. 1987)—Venezuela.
- geaster* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 14 (1984)—Venezuela.
- grafii* J.A. Steyermark & B. Holst in *Ernstia*, 38: 44 (1986)—Venezuela.
- huberiana* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 706 (1986 publ. 1987)—Venezuela.
- igneosicola* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 713 (1986 publ. 1987)—Venezuela.
- iosotrix* L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 952 (1989)—Venezuela.
- lactea* L.B. Smith, J. Steyermark & Robinson in *Acta Bot. Venezuel.*, 14(3): 14 (1984)—Venezuela.
- liesneri* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 709 (1986 publ. 1987)—Venezuela.
- linearis* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 709 (1986 publ. 1987)—Venezuela.
- patria* L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 952 (1989)—Venezuela.
- pedemontana* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 708 (1986 publ. 1987)—Venezuela.
- piresii* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 712 (1986 publ. 1987)—Brazil.
- platyphylla* L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 954 (1989)—Venezuela.
- plovmanii* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 703 (1986 publ. 1987)—Venezuela.
- polyglomerata* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 704 (1986 publ. 1987)—Venezuela.
- terramarae* L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 955 (1989)—Venezuela.

**NAVIA** :-

- thomasi* L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 703 (1986 publ. 1987)—Venezuela.

**NAYARIOPHYTON** T.K. Paul in Fasc. Fl. India,

- 19: 183 (30 March 1988); et in *Bot. Jahrb.*, 110(1): 43 (20 Oct. 1988). MALVACEAE.
- jujubifolium* (Griff.) T.K. Paul in *Fasc. Fl. India*, 19: 185 (30 March 1988); et in *Bot. Jahrb.*, 110(1): 43 (20 Oct. 1988): Kydia jujubifolia.

**NEANOTIS** (Rubiace.).

- hirsuta*
- var. glabra* (Honda) H. Hara in *J. Jap. Bot.*, 61(3): 73 (1986): Oldenlandia hirsuta var. glabra.
- f. glabricalycina* (Honda) H. Hara in *J. Jap. Bot.*, 61(3): 72 (1986): Oldenlandia hirsuta var. glabricalycina.
- oxyphylla* (Wall. ex G. Don) Ridsdale in *Allertonia*, 4(5): 321 (1987), as '(Wall. ex Hook.f.)' but isonym, see W.H. Lewis in *Ann. Missouri Bot. Gard.*, 53: 39 (1966): Oldenlandia oxyphylla.
- rhombicarpa* T. Yamazaki in *J. Jap. Bot.*, 63(4): 150 (1988)—Nepal.

**NEBLINARIA** (Guttif.).

- rubicunda* C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(2): 129 (1987)—Guyana.

**NEBLINATHAMNUS** (Rubiace.).

- aracamunianus* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 968 (1989)—Venezuela.

**NECEPSIA** (Euphorbiac.).

- afzelii*
- var. sitae* A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 186 (1986)—Congo - Brazzaville.
- subsp. zenkeri* A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 186 (1986)—Cameroun, Gabon.
- castaneifolia* (Baillon) A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 191 (1986): Palissya castaneifolia.
- subsp. capuronii* A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 194 (1986)—Madagascar.
- subsp. chirindica* (Radcliffe-Smith) A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 194 (1986): Neopalissya castaneifolia subsp. chirindica.
- subsp. kimbozensis* (Radcliffe-Smith) A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 193 (1986): Neopalissya castaneifolia subsp. kimbozensis.
- zairensis* A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 187 (1986)—Zaire, Angola, Gabon, Congo - Brazzaville.
- var. lujae* A. Bouchat & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 190 (1986)—Zaire.

**NECTANDRA** (Laurac.).

- aurea* J.G. Rohwer in *Ann. Missouri Bot. Gard.*, 75(4): 1525 (1988 publ. 1989)—Venezuela.
- fulva* J.G. Rohwer in *Ann. Missouri Bot. Gard.*, 75(4): 1527 (1988 publ. 1989)—Venezuela.
- hypoleuca* B.E. Hammel in *J. Arnold Arbor.*, 67(1): 126 (1986)—Costa Rica.
- longipetiolata* H. van der Werff in *Fieldiana, Bot.*, 23: 60 (1990)—Costa Rica.
- membranacea*
- subsp. cuspidata* (Nees) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 72 (1986): N. cuspidata.
- miraflores* H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 410 (1988)—Nicaragua.
- mollis*
- subsp. laurel* (Nees) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 61 (1986): N. laurel.
- subsp. oppositifolia* (Nees) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 61 (1986): N. oppositifolia.
- ruforamula* J.G. Rohwer in *Ann. Missouri Bot. Gard.*, 75(4): 1529 (1988 publ. 1989)—Venezuela.

**NEEA** (Nyctaginac.).

- amaruayensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 623 (1987)—Venezuela.
- bernardii* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 623 (1987)—Venezuela.
- bracteosa* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 624 (1987)—Venezuela.
- brevipedunculata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 624 (1987)—Venezuela.
- cedenensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 625 (1987)—Venezuela.
- clarkii* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 625 (1987)—Venezuela.
- davidsei* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 627 (1987)—Venezuela.
- grandis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 109 (1989)—Brazil.
- guaiquinimae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 627 (1987)—Venezuela.
- huachamacarae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 628 (1987)—Venezuela.
- ignicola* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 628 (1987)—Venezuela.
- liesneri* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 629 (1987)—Venezuela, Brazil.
- mapourioides* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 630 (1987)—Venezuela.
- marahuacae* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 631 (1987)—Venezuela.
- neblinensis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 112 (1989)—Venezuela.
- parimensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 631 (1987)—Venezuela.
- robusta* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 632 (1987)—Venezuela, Brazil.
- sebastianii* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 633 (1987)—Venezuela.
- subglabrata* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 633 (1987)—Venezuela.
- tepuensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 634 (1987)—Venezuela.

**NEILLIA** (Rosac.).

- breviracemosa* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 13 (1990)—China.
- fugongensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 12 (1990)—China.

**NEMATANTHUS** (Gesneriac.).

- crassifolius*
- subsp. chloronema* (Martius) A. Chautems, *Révis. taxon. poss. hybrid. Nematanthus Schrader (Gesneriac.)* (Diss. Bot., 112): 114 (1988): N. chloronema.
- lanceolatus* (Poir.) A. Chautems, *Révis. taxon. poss. hybrid. Nematanthus Schrader (Gesneriac.)* (Diss. Bot., 112): 189 (1988): Orobanchia lanceolata.

**NEMAUCHENES** (Compos.).

- aspera* (L.) Endl., *Cat. Horti Vindob.*, 1: 423 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Crepis aspera.

**NEMCIA** (Legumin.).

- axillaris* (Meissner) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 124 (1987): Gastrolobium axillare.
- brownii* (Meissner) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 124 (1987): Gastrolobium brownii.
- carinata* M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 124 (1987), nom. nov.: Eutaxia reticulata Meissner.
- crenulata* (Turcz.) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 125 (1987): Gastrolobium crenulatum.
- dilatata* (Benth.) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 125 (1987): Oxylobium dilatatum.
- emarginata* (S. Moore) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 126 (1987): Oxylobium emarginatum.
- epacridoides* (Meissner) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 126 (1987): Gastrolobium epacridoides.
- hookeri* (Meissner) M.D. Crisp in *C.H. Stirton (ed.), Advances in Legume System.*, 3: 126 (1987): Gastrolobium hookeri.

- NEMCIA** :—  
 ilicifolia (Meissner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 126 (1987): *Gastrolobium ilicifolium*.  
 leakeana (Drumm.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 126 (1987): *Gastrolobium leakeanum*.  
 lehmannii (Meissner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium lehmannii*.  
 obovata (Benth.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium obovatum*.  
 pauciflora (C. Gardner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium pauciflorum*.  
 plicata (Turcz.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium plicatum*.  
 pulchella (Turcz.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium pulchellum*.  
 punctata (Turcz.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Eutaxia punctata*.  
 pyramidalis (T. Moore) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 127 (1987): *Gastrolobium pyramidale*.  
 rubra M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 128 (1987), nom. nov.: *N. atropurpurea* var. *minorifolia* Domin.  
 spatulata (Benth.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 128 (1987): *Gastrolobium spatulatum*.  
 stipularis (Meissner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 128 (1987): *Gastrolobium stipulare*.  
 tricuspidata (Meissner) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 128 (1987): *Gastrolobium tricuspidatum*.  
 truncata (Benth.) M.D. Crisp in C.H. Stirton (ed.), *Advances in Legume System.*, 3: 128 (1987): *Gastrolobium truncatum*.
- NEMEDRA** A. Jussieu in Mirb. & Cass. apud Guill. in Bull. Sci. Nat. Geol., 23: 236 (1830); cf. D.J. Mabberley in Taxon, 31(1): 66 (1982). **MELIACEAE**.
- NEMESIA** (Scrophulariac.).  
 acornis K.E. Steiner in S. Afr. J. Bot., 55(4): 405 (1989)—South Africa (Cape Province).  
 glabriuscula O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 393 (1986)—South Africa (Natal).  
 rupicola O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh, 43(3): 396 (1986)—South Africa (Natal, Transvaal, Orange Free State), Lesotho.  
 silvatica O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh, 43(3): 398 (1986)—South Africa (Natal, Cape Province).  
 umbonata (Hiern) O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 399 (1986): *Diclis umbonata*.
- NEMUM** (Cyperac.).  
 parviflorum K.A. Lye in Lidia, 2(1): 33 (1989)—Guinea.
- NENAX** (Rubiace.).  
 acerosa  
 subsp. macrocarpa (Eckl. & Zeyh.) C. Puff in Fl. S. Afr., 31(1:2): 46 (1986): *Ambraria hirta* var. *macrocarpa*.  
 arenicola C. Puff in Fl. S. Afr., 31(1:2): 47 (1986)—South Africa (Cape Province).  
 cinerea (Thunb.) C. Puff in Fl. S. Afr., 31(1:2): 40 (1986): *Cliffortia cinerea*.  
 coronata C. Puff in Fl. S. Afr., 31(1:2): 41 (1986)—South Africa (Cape Province).  
 elsiae C. Puff in Fl. S. Afr., 31(1:2): 43 (1986)—South Africa (Cape Province).  
 hirta  
 subsp. calciphila C. Puff in Fl. S. Afr., 31(1:2): 44 (1986)—South Africa (Cape Province).  
 namaquensis C. Puff in Fl. S. Afr., 31(1:2): 41 (1986)—South Africa (Cape Province).
- NEOASTELIA** J.B. Williams in Fl. Australia, 45: 493, 173 (1987). **ASTELIACEAE**.  
 spectabilis J.B. Williams in Fl. Australia, 45: 493, 175 (1987)—Australia (New South Wales).
- NEOAUACOLEPIS** (Gramin.).  
 treutleri  
 var. japonica (Hack.) T. Osada, Illustr. Grasses of Japan: 738 (1989), without basionym ref.; et in J. Jap. Bot., 65(9): 266 (1990), with basionym ref.: *Aulacolepis japonica*.
- NEOCINNAMOMUM** (Laurac.).  
 complanifolium S. Lee & F.N. Wei in Guihaia, 8(4): 307 (1988)—Vietnam, China.
- NEOCONOPODIUM** (K.-Pol.) M.G. Pimenov & E.V. Kljuykov in Feddes Repert., 98(7-8): 377 (1987): *Conopodium* III. *Neoconopodium* (Umbellif.).  
 capnoides (Decne.) M.G. Pimenov & E.V. Kljuykov in Feddes Repert., 98(7-8): 377 (1987): *Butinia capnoides*.  
 laseroides (Hedge & Lamond) M.G. Pimenov & E.V. Kljuykov in Feddes Repert., 98(7-8): 378 (1987): *Chaerophyllum laseroides*.
- NEOCOUMA** (Apocynac.).  
 parviflora (Markgraf) J.L. Zarucchi in Agric. Univ. Wageningen Pap., 87(1): 88 (1987 publ. 1988): *Ambelania parviflora*.
- NEOCRYPTODISCUS** I.C. Hedge & J.M. Lamond in Fl. Iran., 162: 207 (1987), nom. nov.: *Cryptodiscus Schrenk ex C.A. Mey.* (Umbellif.).  
 ammophilus (Bunge) I.C. Hedge & J.M. Lamond in Fl. Iran., 162: 208 (1987): *Cryptodiscus ammophilus*.  
 didymus (Regel) I.C. Hedge & J.M. Lamond in Fl. Iran., 162: 208 (1987): *Cachrys didyma*.  
 persicus (Boiss.) I.C. Hedge & J.M. Lamond in Fl. Iran., 162: 207 (1987): *Cryptodiscus persicus*.
- NEOCUATRECASIA** (Compos.).  
 cuzcoensis R.M. King & H. Robinson in Phytologia, 60(1): 83 (1986)—Peru.  
 feuereri R.M. King & H. Robinson in Phytologia, 65(1): 65 (1988)—Bolivia.
- NEOFABRICIA** (Myrtac.).  
 sericispala J.R. Clarkson & J. Thompson in Telopea, 3(3): 294 (1989)—Australia (Queensland).
- NEOGAILLONIA** (Rubiace.).  
 calcicola C. Puff in Nordic J. Bot., 8(4): 333 (1988)—Somali Republic.  
 somaliensis C. Puff in Nordic J. Bot., 8(4): 331 (1988)—Somali Republic.
- NEOGLAZIOVIA** (Bromeliac.).  
 burle-marxii E.M.C. Leme in J. Bromeliad Soc., 40(3): 102 (1990)—Brazil.
- ×NEOGLOSSUM** hort. in Orchid Rev., 97(1145): centre page pull-out p. 9 (1989). **ORCHIDACEAE**. (*Ascoglossum* × *Neofinetia*).
- NEOGOEZIA** (Umbellif.).  
 breedlovei L. Constance in Op. Bot., 92: 71 (1987)—Mexico.  
 macvaughii L. Constance in Op. Bot., 92: 68 (1987)—Mexico.
- ×NEOGRAECUM** hort. in Orchid Rev., 98(1157): centre page pull-out p. 12 (1990). **ORCHIDACEAE**. (*Angraecum* × *Neofinetia*).
- NEOHOUEAUA** (Gramin.).  
 helferi (Munro) J.S. Gamble in Bull. Misc. Inf. Kew, 1923: 91 (1923): *Teinostachyum helferi*.
- NEOKOEHLERIA** (Orchidac.).  
 corydaloides (Krzl.) K. Senghas in Orchidee, 38(3): 114 (1987): *Rodriguezia corydaloides*.  
 kerspei K. Senghas in Orchidee, 41(1): 17 (1990)—Cultivation.  
 wuerstei K. Senghas in Orchidee, 41(1): 19 (1990)—Peru.
- NEOLEHMANNIA** (Orchidac.).  
 angustata (Hashimoto) T. Hashimoto in Bull. Nation. Sci. Mus., B (Tokyo), 16(1): 25 (1990): *N. difformis* var. *angustata*.  
 curvicolonna (A.H. & S.) F. Hamer in Ic. Pl. Trop., 13 (Orch. Nicaragua, pt. 6): t. 1237 (1985): *Epidendrum curvicolonna*.  
 difformis  
 var. angustata T. Hashimoto in Ann. Tsukuba Bot. Gard., 4: 2 (1986)—Peru.
- NEOLEPIA** W.A. Weber in Phytologia, 67(6): 427 (1989), nom. nov.: gen. *Lepia* N.A. Desvaux (Crucif.).  
 campestris (L.) W.A. Weber in Phytologia, 67(6): 427 (1989): *Thlaspi campestre*.
- NEOLITSEA** (Laurac.).  
 subsect. Nonsecundinervatae J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 subsect. Parallelinervatae J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 subsect. Paramelevatae J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 sect. Retisupraelevata J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 sect. Retisupraplana J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 subsect. Valdelevatae J.C. Liao, Taxon. Revis. Fam. Lauraceae in Taiwan: vii (1988), without type.  
 calcicola Z.R. Xu in Acta Sci. Nat. Univ. Sunyatseni, 1986(2): 99 (1986), without type—China.
- NEOLLOYDIA** (Cactac.).  
 laui (Glass & Foster) E.F. Anderson in Bradleya, 4: 22 (1986): *Turbincarpus laui*.  
 lophophoroides (Werderm.) E.F. Anderson in Bradleya, 4: 22 (1986): *Thelocactus lophophoroides*.  
 mandragora (Fric ex A. Berger) E.F. Anderson in Bradleya, 4: 14 (1986): *Echinocactus mandragora*.  
 pseudomacrochele (Backeb.) E.F. Anderson in Bradleya, 4: 22 (1986): *Strombocactus pseudomacrochele*.  
 pseudopectinata (Backeb.) E.F. Anderson in Bradleya, 4: 15 (1986): *Pelecypora pseudopectinata*.  
 schmiedickeana (Boedeker) E.F. Anderson in Bradleya, 4: 19 (1986): *Echinocactus schmiedickeanus*.  
 var. dickisoniae (Glass & Foster) E.F. Anderson in Bradleya, 4: 20 (1986): *Turbincarpus schmiedickeanus* var. *dickisoniae*.  
 var. flaviflora (G. Frank & A. Lau) E.F. Anderson in Bradleya, 4: 20 (1986): *Turbincarpus flaviflorus*.  
 var. gracilis (Glass & Foster) E.F. Anderson in Bradleya, 4: 19 (1986): *Turbincarpus gracilis*.  
 var. klinkeriana (Backeb. & H.J. Jacobsen) E.F. Anderson in Bradleya, 4: 20 (1986): *Turbincarpus klinkerianus*.  
 var. macrochele (Werderm.) E.F. Anderson in Bradleya, 4: 20 (1986): *Echinocactus macrochele*.  
 var. schwarzii (Shurly) E.F. Anderson in Bradleya, 4: 20 (1986): *Strombocactus schwarzii*.  
 subterranea  
 var. zaragosae (Glass & Foster) E.F. Anderson in Bradleya, 4: 14 (1986): *Gymnocactus subterraneus* var. *zaragosae*.  
 valdeziana (H. Moeller) E.F. Anderson in Bradleya, 4: 14 (1986): *Pelecypora valdeziana*.  
 viereckii  
 var. major (Glass & Foster) E.F. Anderson in Bradleya, 4: 15 (1986): *Gymnocactus viereckii* var. *major*.
- NEOMARICA** (Iridac.).  
 variegata (Martens & Galeotti) J.E. Henrich & P. Goldblatt in Ann. Missouri Bot. Gard., 74(4): 911 (1987 publ. 1988): *Marica variegata*.
- NEOMICROCALAMUS** (Gramin.).  
 microphyllus Hsueh & T.P. Yi in Fl. Xizangica, 5: 50 (1987)—Xizang.  
 setigerus (Gamble) Hsueh & T.P. Yi in Fl. Xizangica, 5: 50 (1987): *Ochlandra setigera*.

**NEOMIRANDEA** (Compos.).

cuatrecasana S. Diaz Piedrahita in Perez-Arbel., 2(8): 413 (1989)—Colombia.

**NEOMITRANTHES** (Myrtac.).

sect. *Dichotomae* J.R. Mattos in Loeftgrenia, 95: 1 (1989).  
sect. *Multibracteatae* J.R. Mattos in Loeftgrenia, 95: 1 (1989).  
sect. *Pedunculatae* J.R. Mattos in Loeftgrenia, 95: 1 (1989).  
wilsoniana J.R. Mattos in Loeftgrenia, 94: 7 (1989)—Brazil.

**NEONAUCLEA** (Rubiaceae).

anthraciticus C.E. Ridsdale in *Blumea*, 34(1): 242 (1989)—New Guinea (W. Irian).  
artocarpoides C.E. Ridsdale in *Blumea*, 34(1): 207 (1989)—Borneo (Brunei, Sabah, Kalimantan).  
bartlingii  
var. *cumingiana* (Vidal) C.E. Ridsdale in *Blumea*, 34(1): 219 (1989): *Nauclea cumingiana*.  
bomberaiensis C.E. Ridsdale in *Blumea*, 34(1): 247 (1989)—New Guinea (W. Irian).  
borneensis C.E. Ridsdale in *Blumea*, 34(1): 212 (1989)—Borneo (Brunei, Kalimantan, Sarawak).  
butonensis C.E. Ridsdale in *Blumea*, 34(1): 217 (1989)—Celebes.  
calcareia C.E. Ridsdale in *Blumea*, 34(1): 212 (1989)—Borneo (Sarawak).  
ceramensis C.E. Ridsdale in *Blumea*, 34(1): 238 (1989)—Moluccas.  
circumscissa C.E. Ridsdale in *Blumea*, 34(1): 217 (1989)—Philippine Is.  
colla C.E. Ridsdale in *Blumea*, 34(1): 249 (1989)—New Guinea (W. Irian).  
coronata C.E. Ridsdale in *Blumea*, 34(1): 249 (1989)—New Guinea (W. Irian, Papua New Guinea).  
endertii C.E. Ridsdale in *Blumea*, 34(1): 201 (1989)—Borneo (Kalimantan).  
excelsioides C.E. Ridsdale in *Blumea*, 34(1): 202 (1989)—Borneo (Sabah, Kalimantan).  
glabra (Roxb.) Bakh. f. & C.E. Ridsdale in *Blumea*, 34(1): 240 (1989): *Nauclea glabra*.  
glandulifera C.E. Ridsdale in *Blumea*, 34(1): 237 (1989)—Moluccas.  
havilandii Koord. ex C.E. Ridsdale in *Blumea*, 34(1): 221 (1989)—Celebes.  
intercontinentalis Bakh. f. & C.E. Ridsdale in *Blumea*, 34(1): 240 (1989)—Celebes, Moluccas.  
kraboensis C.E. Ridsdale in *Blumea*, 34(1): 246 (1989)—New Guinea (W. Irian).  
lanceolata  
subsp. *gracilis* (Vidal) C.E. Ridsdale in *Blumea*, 34(1): 225 (1989): *Nauclea gracilis*.  
montana C.E. Ridsdale in *Blumea*, 34(1): 226 (1989)—Borneo (Sarawak).  
morotaiensis C.E. Ridsdale in *Blumea*, 34(1): 234 (1989)—Moluccas.  
pallida  
subsp. *malaccensis* (Gand.) C.E. Ridsdale in *Blumea*, 34(1): 199 (1989): *Nauclea malaccensis*.  
paracryptopoda Bakh. f. & C.E. Ridsdale in *Blumea*, 34(1): 206 (1989)—Borneo (Sarawak).  
parviflora (Koord. & Valetton) C.E. Ridsdale in *Blumea*, 34(1): 204 (1989): *Nauclea purpurascens* var. *parviflora*.  
pseudocalycina C.E. Ridsdale in *Blumea*, 34(1): 204 (1989)—Borneo (Sabah, Kalimantan), Philippine Is.  
pseudopeduncularis C.E. Ridsdale in *Blumea*, 34(1): 222 (1989)—Celebes.  
rupestris Bakh. f. & C.E. Ridsdale in *Blumea*, 34(1): 235 (1989)—Celebes.  
sericea C.E. Ridsdale in *Blumea*, 34(1): 230 (1989)—Moluccas.  
subulifera C.E. Ridsdale in *Blumea*, 34(1): 245 (1989)—Moluccas, New Guinea (W. Irian).  
tricephala C.E. Ridsdale in *Blumea*, 34(1): 247 (1989)—New Guinea (W. Irian).  
tsaiana S.Q. Zou in J. Arnold Arbor., 69(1): 73 (1988)—China.  
unicapitulifera C.E. Ridsdale in *Blumea*, 34(1): 239 (1989)—Celebes.  
ventricosa C.E. Ridsdale in *Blumea*, 34(1): 207 (1989)—Celebes.

**NEONAUCLEA** :-

vinkiorum C.E. Ridsdale in *Blumea*, 34(1): 244 (1989)—New Guinea (W. Irian).

**NEONOTONIA** (Legumin.).

wightii  
var. *longicauda* (Schweinf.) J.A. Lackey in *Iselya*, 2(1): 11 (1981): *Glycine longicauda*.  
var. *mearnsii* (De Wild.) J.A. Lackey in *Iselya*, 2(1): 11 (1981): *Glycine mearnsii*.  
subsp. *petitiana* (A. Rich.) J.A. Lackey in *Iselya*, 2(1): 11 (1981): *Johnia petitiana*.  
var. *petitiana* (A. Rich.) J.A. Lackey in *Iselya*, 2(1): 11 (1981): *Johnia petitiana*.  
subsp. *petitiana* (A. Rich.) P. Hanelt in R. Mansfeld, *Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2*, ed. J. Schultze-Motel, 1: 548 (1986): *Johnia petitiana*.  
subsp. *pseudojavanica* (Taub.) J.A. Lackey in *Iselya*, 2(1): 11 (1981): *Glycine pseudojavanica*.

**NEOPLATYTAENIA** A.M. Gel'dikhanov in V.V. Nikitin & A.M. Gel'dikhanov, *Opred. Rast. Turkmenistana*: 455 (1988); et in Bot. Zhurn., 75(5): 711 (1990), nom. nov.: gen. *Platytaenia* Nevski & Vved. (Umbellif.).

dichotoma (Boiss.) A.M. Gel'dikhanov in V.V. Nikitin & A.M. Gel'dikhanov, *Opred. Rast. Turkmenistana*: 455 (1988); et in Bot. Zhurn., 75(5): 711 (1990): *Zosima dichotoma*.  
pamirica (Lipsky) A.M. Gel'dikhanov in V.V. Nikitin & A.M. Gel'dikhanov, *Opred. Rast. Turkmenistana*: 455 (1988), without basionym ref.; et in Bot. Zhurn., 75(5): 711 (1990), without basionym ref.: *Zosima pamirica*.  
pimpinelloides (Nevski) A.M. Gel'dikhanov in V.V. Nikitin & A.M. Gel'dikhanov, *Opred. Rast. Turkmenistana*: 455 (1988): *Platytaenia pimpinelloides*.

**NEOPORTERIA** (Cactac.).

aricensis  
var. *floribunda* (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 176 (1989), basionym invalid: *Reicheocactus floribundus*.  
var. *saxifraga* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 176 (1989): *Pyrrhocactus saxifragus*.  
carrizalensis (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 178 (1989): *Pyrrhocactus carrizalensis*.  
var. *totoralensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 178 (1989), contrary to Art. 57 ICBN (1988): *Pyrrhocactus totoralensis*.  
centetaria (Lehm.) G.D. Rowley in *Excelsa*, 12: 39 (1986): *Echinocactus centetarius*.  
clavata  
var. *nigrihorrida* (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 160 (1989), with incorrect basionym ref.: *Chilenia nigrihorrida*.  
curvispina  
var. *engleri* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 182 (1989): *Horridocactus engleri*.  
var. *marksiana* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 182 (1989): *Pyrrhocactus marksianus*.  
esmeraldana  
var. *malleolata* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 222 (1989): *Chileorebutia malleolata*.  
horrida (Remy ex Gay) D. Hunt in *Bradleya*, 5: 93 (1987): *Echinocactus horridus*.  
var. *armata* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 190 (1989): *Pyrrhocactus armatus*.  
var. *aspillagae* (Soehr.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 190 (1989), as 'aspillagai': *Echinocactus aspillagae*.  
var. *coliguyensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 190 (1989), as 'Pyrrhocactus': *Pyrrhocactus coliguyensis*.

**NEOPORTERIA** :-

var. *limariensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 190 (1989): *Pyrrhocactus limariensis*.  
var. *odoriflora* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 190 (1989): *Pyrrhocactus odoriflorus*.  
intermedia  
var. *calderana* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989), contrary to Art. 57 ICBN (1988): *Pyrrhocactus calderanus*.  
f. *gracilis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989): *Pyrrhocactus gracilis*.  
var. *pilispina* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989): *Pyrrhocactus pilispinus*.  
var. *pulchella* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989), contrary to Art. 57 ICBN (1988): *Pyrrhocactus pulchellus*.  
f. *pygmaea* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989): *Pyrrhocactus pygmaeus*.  
var. *scoparia* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 194 (1989), contrary to Art. 57 ICBN (1988): *Pyrrhocactus scoparius*.  
jussieu  
var. *chaniarensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 198 (1989): *Pyrrhocactus chaniarensis*.  
var. *chorosensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 202 (1989): *Pyrrhocactus chorosensis*.  
var. *dimorpha* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 200 (1989): *Pyrrhocactus dimorphus*.  
var. *huascensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 198 (1989): *Pyrrhocactus huascensis*.  
var. *setosiflora* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 200 (1989): *Pyrrhocactus setosiflorus*.  
var. *trapichensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 202 (1989): *Pyrrhocactus trapichensis*.  
var. *wagenknechtii* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 198 (1989): *Pyrrhocactus wagenknechtii*.  
kunzei  
var. *confinis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 204 (1989): *Pyrrhocactus confinis*.  
napina  
var. *aerocarpa* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 226 (1989): *Chileorebutia aerocarpa*.  
var. *duripulpa* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 224 (1989): *Chileorebutia duripulpa*.  
var. *fankhauseri* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 224 (1989): *Thelocephala fankhauseri*.  
var. *fulva* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 226 (1989): *Thelocephala fulva*.  
var. *lembckeii* (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 224 (1989), basionym invalid: *Neochilenia lembckeii*.  
f. *nuda* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 224 (1989): *Thelocephala nuda*.  
nidus  
var. *coimascensis* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 164 (1989): *N. coimascensis*.  
var. *multicolor* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 164 (1989): *N. multicolor*.  
odieri  
var. *krausii* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 230 (1989), with incorrect basionym ref.: *Chileorebutia krausii*.  
var. *longirapa* (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 230 (1989): *Thelocephala longirapa*.



**NEOPORTERIA** :–

paucicostata

var. echinus (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 208 (1989): *Pyrrhocactus echinus*.

var. floccosa (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 208 (1989): *Pyrrhocactus floccosus*.

var. glaucescens (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 208 (1989): *Pyrrhocactus glaucescens*.

var. neohankeana (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 208 (1989): *Pyrrhocactus neohankeanus*.

var. viridis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 208 (1989), with incorrect basionym ref., isonym; see Don. & Rowl. in *Cact. Succ. J. Gr. Brit.*, 28: 57 (1966): Basionym not stated.

recondita

var. residua (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 212 (1989): *Pyrrhocactus residuus*.

var. vexata (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 212 (1989): *Pyrrhocactus vexatus*.

subgibbosa

var. intermedia (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 168 (1989): *N. litoralis* var. *intermedia*.

var. litoralis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 168 (1989): *N. litoralis*.

var. robusta (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 168 (1989): *N. robusta*.

taltalensis

var. transiens (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 216 (1989): *Pyrrhocactus transiens*.

vallenarensis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 218 (1989), homonym; see Ritter, *Kakteen in Sudamerika*, 3: 1032 (1980): *Pyrrhocactus vallenarensis*.

var. atroviridis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 218 (1989), species name illegit.: *Pyrrhocactus atroviridis*.

var. crispa (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 218 (1989), contrary to Art. 57 ICBN (1988), species name illegit.: *Pyrrhocactus crispus*.

var. domeykoensis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 218 (1989), species name illegit.: *Pyrrhocactus eriosyzoides* var. *domeykoensis*.

var. transitensis (Ritt.) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 218 (1989), species name illegit.: *Pyrrhocactus transitensis*.

villosa

var. laniceps (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 172 (1989): *N. laniceps*.

wagenknechtii

var. microperma (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 174 (1989): *N. microperma*.

var. vallenarensis (Ritter) A.E. Hoffmann *J., Cactaceas en la flora silvestre de Chile*: 174 (1989): *N. vallenarensis*.

**NEOREGELIA** (Bromeliac.).

angustibracteolata E. Pereira & E.M.C. Leme in *Bradea*, 4(34): 269 (1986)—Brazil.

coimbrae E. Pereira & E.M.C. Leme in *Rev. Brasil. Biol.*, 45(4): 631 (1985 publ. 1986)—Brazil.

gavionensis G. Martinelli & E.M.C. Leme in *J. Bromeliad Soc.*, 36(2): 71 (1986)—Brazil.

johnsoniae H.E. Luther in *J. Bromeliad Soc.*, 39(2): 70 (1989)—Peru.

martinellii W. Weber in *Feddes Repert.*, 97(3–4): 119 (1986)—Brazil.

**NEOSASAMORPHA** (Gramin.).

kagamiana

subsp. yoshinoi (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 46 (1989): *Sasa kashidensis* var. *yoshinoi*.

**NEOSASAMORPHA** :–

magnifica (Nakai) S. Suzuki in *J. Jap. Bot.*, 64(2): 44 (1989): *Arundinaria magnifica*.

subsp. fujitae (S. Suzuki) S. Suzuki in *J. Jap. Bot.*, 64(2): 45 (1989): *Sasa magnifica* subsp. *fujitae*.

oshidensis

subsp. glabra (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 45 (1989): *Sasa kashidensis* var. *glabra*.

pubiculmis (Makino) S. Suzuki in *J. Jap. Bot.*, 64(9): 273 (1989): *Sasa pubiculmis*.

subsp. sugimotoi (Nakai) S. Suzuki in *J. Jap. Bot.*, 64(9): 273 (1989): *Sasa sugimotoi*.

shimidzuana

subsp. kashidensis (Makino & Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 46 (1989): *Sasa kashidensis*.

stenophylla (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 43 (1989): *Sasa stenophylla*.

subsp. tobagenzoana (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 44 (1989): *Sasa tobagenzoana*.

takizawana

subsp. nakashimana (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 47 (1989): *Sasamorpha nakashimana*.

tsukubensis (Nakai) S. Suzuki in *J. Jap. Bot.*, 64(2): 44 (1989): *Sasa tsukubensis*.

subsp. pubifolia (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(2): 44 (1989): *Sasa kashidensis* var. *pubifolia*.

**NEOSINOCALAMUS** (Gramin.).

affinis

f. chrysotrichus (Hsueh & Yi) T.P. Yi in *J. Bamboo Res.*, 4(1): 13 (1985): *Sinocalamus affinis* f. *chrysotrichus*.

f. flavidorivens (Yi) T.P. Yi in *J. Bamboo Res.*, 4(1): 14 (1985): *Sinocalamus affinis* var. *flavidorivens*.

f. viridiflavus (Yi) T.P. Yi in *J. Bamboo Res.*, 4(1): 13 (1985): *Sinocalamus affinis* var. *viridiflavus*.

bicatricatus (W.T. Lin) W.T. Lin in *Acta Phytotax. Sin.*, 26(2): 146 (1988): *Sinocalamus bicatricatus*.

rectocuneatus W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 228 (1988), as 'recto-cuneatus'—China.

stenoauritus (W.T. Lin) W.T. Lin in *Acta Phytotax. Sin.*, 26(2): 146 (1988): *Sinocalamus stenoauritus*.

×**NEOTIACERAS** R. Kohnmüller in *Orchidee*, 39(5): 190 (1988). **ORCHIDACEAE**. (*Aceras* × *Neotinea*). *mattinatae* R. Kohnmüller in *Orchidee*, 39(5): 190 (1988)—Italy. (*Aceras anthropophorum* × *Neotinea maculata*).

**NEOTORULARIA** Hedge & J. Léonard in *Bull. Jard.*

*Bot. Nation. Belg.*, 56(3–4): 393 (1986), nom. nov.: *Sisymbrium* sect. *Torularia* Cosson (Crucif.).

aculeolata (Boiss.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 393 (1986): *Sisymbrium aculeolatum*.

afghanica (Gilli) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 393 (1986): *Sisymbrium afghanicum*.

brachycarpa (Vassilcz.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 393 (1986): *Torularia brachycarpa*.

brevipes (Karelin & Kir.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 393 (1986): *Sisymbrium brevipes*.

contortuplicata (Stephan ex Willd.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 393 (1986): *Cheiranthus contortuplicatus*.

dentata (Freyn & Sint.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 394 (1986): *Cryptospora dentata*.

grubovii (Botsch.) V.P. Bochantsev in *Bot. Zhurn.*, 73(8): 1187 (1988): *Torularia grubovii*.

humilis (C. Meyer) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 394 (1986): *Sisymbrium humile*.

korolkowii (Regel & Schmalh.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 394 (1986): *Sisymbrium korolkowii*.

maximowiczii (Botsch.) V.P. Bochantsev in *Bot. Zhurn.*, 73(8): 1188 (1988): *Torularia maximowiczii*.

mongolica V.P. Bochantsev & I.A. Gubanov in *Bot. Zhurn.*, 73(8): 1186 (1988)—Mongolia.

piasezkii (Maxim.) V.P. Bochantsev in *Bot. Zhurn.*, 73(8): 1188 (1988), without basionym ref.: Basionym not stated.

**NEOTORULARIA** :–

rossica (O. Schulz) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 394 (1986): *Torularia rossica*.

tetracmoides (Boiss. & Hausskn.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 394 (1986): *Sisymbrium tetracmoides*.

torulosa (Desf.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 395 (1986): *Sisymbrium torulosum*.

var. scorpiuroides (Boiss.) Hedge & J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 395 (1986): *Sisymbrium scorpiuroides*.

**NEOTTIA** (Orchidac.).

mackinnonii S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 75 (1986)—India.

**NEOTYSONIA** (Compos.).

phyllostegia (F. Muell.) Paul G. Wilson ex J.W. Green, *Census Vasc. Pl. W. Australia*, ed. 2: 6 (1985): *Tysonia phyllostegia*.

**NEOURBANIA** (Orchidac.).

nicaraguensis F. Hamer & Garay in  *Ic. Pl. Trop.*, 13 (Orch. Nicaragua, pt. 6): t. 1238 (1985)—Nicaragua, Costa Rica.

**NEPENTHES** (Nepenthac.).

adnata R. Tamin & M. Hotta in M. Hotta (ed.), *Divers. & Dynam. Pl. Life Sumatra*, 1: 76 (1986), without latin descr. or type—Sumatra.

borneensis J.H. Adam & C.C. Wilcock in *Gard. Bull. Singapore*, 42(1–2): 26 (1989 publ. 1990)—Borneo (Kalimantan).

edwardsiana

subsp. macrophylla J. Marabini in *Mitt. Bot. Staatssamm. München*, 23: 427 (1987)—Borneo (Sabah).

macrovulgaris J.R. Turnbull & A.T. Middleton in *Bot. J. Linn. Soc.*, 96(4): 352 (1988)—Borneo (Sabah).

mapuluensis J.H. Adam & C.C. Wilcock in *Blumea*, 35(1): 265 (1990)—Borneo (Kalimantan).

rafflesiana

var. longicirrha R. Tamin & M. Hotta in M. Hotta (ed.), *Divers. & Dynam. Pl. Life Sumatra*, 1: 93 (1986), without latin descr. or type—Sumatra.

rosulata R. Tamin & M. Hotta in M. Hotta (ed.), *Divers. & Dynam. Pl. Life Sumatra*, 1: 95 (1986), without latin descr. or type—Sumatra.

spinosa R. Tamin & M. Hotta in M. Hotta (ed.), *Divers. & Dynam. Pl. Life Sumatra*, 1: 103 (1986), without latin descr. or type—Sumatra.

**NEPETA** (Labiata.).

ser. Bucharicae Pojark. ex A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1010 (1990).

ser. Densiflorae Pojark. ex A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1012 (1990).

ser. Pamirenses A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1012 (1990).

ser. Podostachydes Pojark. ex A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1008 (1990).

ser. Raphanorhizae A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1010 (1990).

adenophyta I.C. Hedge in *Pakistan J. Bot.*, 21(1): 195 (1989)—Pakistan.

alii A. Jehan in *Willdenowia*, 18(2): 427 (1989)—Pakistan.

betonicifolia

subsp. somkhetica (Kapeller) Yu.L. Menitskii in *Fl. Armenii*, 8: 47 (1987): *N. somkhetica*.

subsp. strictifolia (Pojark.) Yu.L. Menitskii in *Fl. Armenii*, 8: 47 (1987): *N. strictifolia*.

incana C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 529 (1784)—Japan.†

jomdaensis H.W. Li in *Fl. Xizangica*, 4: 132 (1985)—Xizang.

kunlunshanica C.Y. Yang & B. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 97 (1987)—Xinjiang.

maracandia A. Bunge, *Beitr. Fl. Russl.*: 258 (1852)—U.S.S.R. (Middle Asia).†

orphanidea

var. parnidea C. Baden in *Op. Bot.*, 93: 16 (1987)—Greece.

**NEPETA** :-

- podostachys  
 subsp. *darwasica* A.L. Budantsev in *Bot. Zhurn.*, 75(7): 1009 (1990)—U.S.S.R. (Middle Asia).  
 sibthorpii  
 subsp. *dirphyia* (Boiss.) C. Baden in *Op. Bot.*, 93: 22 (1987): N. sibthorpii var. (β) *dirphyia*.  
 subsp. *malacotrichos* C. Baden in *Op. Bot.*, 93: 19 (1987)—Greece.  
 subsp. *vourinensis* C. Baden in *Op. Bot.*, 93: 23 (1987)—Greece.  
 supina  
 subsp. *buschii* (Sosn. & Manden.) Yu.L. Menitskii in *Fl. Armenii*, 8: 42 (1987): N. buschii.  
 tarbagataica C.Y. Yang & B. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 99 (1987)—Xinjiang.  
 troitzkyi Sosn. ex Sh.I. Kutateladze in *Fl. Gruzii*, ed. 2, 11: 237 (1987)—U.S.S.R. (Caucasus).  
 willdenowiana G.F. Hoffm., *Hort. Mosq.*: 25 (1808); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.  
 zandaensis H.W. Li in *Fl. Xizangica*, 4: 126 (1985)—Xizang.

**NEPHELAPHYLLUM** (Orchidac.).

- cristigerum* L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988), nom. nov.: N. *cristata* Gagnep.

**NEPHELIUM** (Sapindac.).

- aculeatum* P.W. Leenhouts in *Blumea*, 31(2): 382 (1986)—Borneo (Sabah).  
*cuspidatum*  
 var. *bassacense* (Pierre) P.W. Leenhouts in *Blumea*, 31(2): 387 (1986): N. *bassacense*.  
 subvar. *beccarianum* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 390 (1986): N. *beccarianum*.  
 subvar. *dasyneuron* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 388 (1986): N. *dasyneuron*.  
 var. *eripetalum* (Miq.) P.W. Leenhouts in *Blumea*, 31(2): 389 (1986): N. *eripetalum*.  
 var. *multinerve* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 389 (1986): N. *multinerve*.  
 var. *ophiodes* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 390 (1986): N. *ophiodes*.  
 subvar. *ophiodes* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 390 (1986): N. *ophiodes*.  
 var. *robustum* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 391 (1986): N. *robustum*.  
*havilandii* P.W. Leenhouts in *Blumea*, 31(2): 394 (1986)—Borneo (Sarawak).  
*lappaceum*  
 var. *pallens* (Hiern) P.W. Leenhouts in *Blumea*, 31(2): 402 (1986): N. *mutabile* var. *pallens*.  
 var. *xanthioides* (Radlk.) P.W. Leenhouts in *Blumea*, 31(2): 403 (1986): N. *xanthioides*.  
*meduseum* P.W. Leenhouts in *Blumea*, 31(2): 409 (1986)—Borneo (Sarawak, Brunei, Kalimantan).  
*papillatum* P.W. Leenhouts in *Blumea*, 31(2): 413 (1986)—Borneo (Sabah).  
*ramboutan-ake* (Labill.) P.W. Leenhouts in *Blumea*, 31(2): 415 (1986): Litchi *ramboutan-ake*.  
*uncinatum* Radlk. ex P.W. Leenhouts in *Blumea*, 31(2): 421 (1986)—Borneo (Sabah, Sarawak, Brunei, Kalimantan), Malaya, Sumatra.

**NEPHTHYTIS** (Arac.).

- hallaei* (Bogner) J. Bogner in *Aroideana*, 8(3): 78 (1985 publ. 1986): *Calloopsis hallaei*.†  
*poissonii*  
 var. *constricta* (N.E. Brown) C. Ntépé-Nyamé in *Fl. Cameroun*, 31: 56 (1988): N. *constricta*.

**NEPTUNIA** (Legumin.).

- natans* (Willd.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 541 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Desmanthus natans*.

**NERIACANTHUS** (Acanthac.).

- harlingii* D.C. Wasshausen in *Op. Bot.*, 92: 271 (1987)—Ecuador.  
 var. *longifolius* D.C. Wasshausen in *Op. Bot.*, 92: 271 (1987)—Ecuador.

**NERIUM** (Apocynac.).

- coccineum* Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 126 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.

**NERIUM** :-

- tinctorium* W. Roxburgh in Dalrymple, *Oriental Repertory*, 1: 39 (1791); cf. D.J. Mabberley in *Taxon*, 26(5-6): 524 (1977)—India.†

**NERVILIA** (Orchidac.).

- gammieana* (Hook. f.) E. Pfitzer in Engler & Prantl, *Nat. Pflanzenfam.*, 2(6): 56, 106 (1888): *Pogonia gammieana*.  
*gassneri* B. Pettersson in *Nordic J. Bot.*, 9(5): 492 (1990)—Malawi, Tanzania, Zimbabwe, South Africa (Transvaal).  
*kotschy*  
 var. *purpurata* (Rechb. f. & Sond.) B. Pettersson in *Nordic J. Bot.*, 9(5): 489 (1990): *Pogonia purpurata*.

**NESAEA** (Lythrac.).

- muelleri* H.J. Hewson in *Fl. Australia*, 18: 322, 107 (1990)—Australia (N. Terr., W. Australia, Queensland).  
*prostrata* (Dillwyn) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rhee's Hort. Malab.*: 168 (1988): *Ammannia prostrata*.  
*striatiflora* H.J. Hewson in *Fl. Australia*, 18: 322, 107 (1990)—Australia (W. Australia, N. Terr.).

**NESOGORDONIA** (Sterculiac.).

- abrahamii* L.C. Barnett in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 9(1): 95 (1987)—Madagascar.  
*pachyneura* Capuron ex L.C. Barnett in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 9(1): 98 (1987)—Madagascar.

**NEURACANTHUS** (Acanthac.).

- pictus* M.G. Gilbert in *Kew Bull.*, 43(1): 149 (1988)—Kenya, Somali Republic.

**NEURACTIS** (Compos.).

- bidens* (Retz.) Veldkamp ex Mesfin Tadesse in *Kew Bull.*, 45(1): 144 (1990): *Zinnia bidens*.  
*smithii* (Backer) B.L. Turner in *Phytologia*, 64(6): 443 (1988): *Chrysanthellum smithii*.

**NEUROLAENA** (Compos.).

- lamina* B.L. Turner in *Phytologia*, 69(3): 172 (1990)—Mexico.

**NEVILLEA** (Restionac.).

- singularis* E.E. Esterhuysen in *Bothalia*, 15(3-4): 484 (1985)—South Africa (Cape Province).

**NEWTONIA** (Legumin.).

- sect. Eglanula* J.F. Villiers in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 137 (1990).  
*camerunensis* J.F. Villiers in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 123 (1990)—Cameroun.  
*grandifolia* J.F. Villiers in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 544 (1988)—Gabon, Cameroun, Congo-Brazzaville.  
*scandens* J.F. Villiers in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 134 (1990)—Cameroun.  
*warmingii* (Benth.) G.P. Lewis, *Legumes of Bahia*: 111 (1987): *Mimosa warmingii*.

- NICOBARIODENDRON** M.K. Vasudeva Rao & T. Chakrabarty in *J. Econ. Taxon. Bot.*, 7(3): 513 (1985 publ. 1986). **CELASTRACEAE**.  
*sleumeri* M.K. Vasudeva Rao & T. Chakrabarty in *J. Econ. Taxon. Bot.*, 7(3): 514 (1985 publ. 1986)—Nicobar Is.

**NICOLASIA** (Compos.).

- coronata*  
 subsp. *planifolia* S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 56(1-2): 203 (1986)—Zaire.

**NICOTIANA** (Solanac.).

- fastigiata* Lehm ex Nees, *Del. Sem. Hort. Bot. Vrat.*, 1844: 2, 3 (1844); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

- ×**NICOTUNIA** L. Burbank in J. Whitson et al. (eds.), *Luther Burbank, Methods & Discover. & their Practic. Applic.*, 1: 240 (1914). **SOLANACEAE**. (*Nicotiana* × *Petunia*).

**NIDORELLA** (Compos.).

- bampsiana* S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 471 (1989)—Zaire.

**NIDULARIUM** (Bromeliac.).

- altimontanum* E.M.C. Leme in *Bradea*, 5(16): 167 (1989)—Brazil.  
*alvimii* W. Weber in *Feddes Repert.*, 97(3-4): 122 (1986)—Brazil.  
*ambiguum* M. das Graças L. Wanderley & E.M.C. Leme in *Bradea*, 5(16): 168 (1989)—Brazil.  
*angraensis* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 229 (1986)—Brazil.  
*angustibracteatum* E.M.C. Leme in *Bradea*, 4(34): 271 (1986)—Brazil.  
*billbergioides*  
 f. *azureum* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 235 (1986)—Brazil.  
*bocainensis* E.M.C. Leme in *Bradea*, 5(16): 169 (1989)—Brazil.  
*correia-araujo* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 230 (1986), as 'correia-arauji'—Brazil.  
*edmundoi* E.M.C. Leme in *Bradea*, 4(34): 270 (1986)—Brazil.  
*fraudulentum* E.M.C. Leme in *Bradea*, 4(39): 311 (1987)—Brazil.  
*lymanioides* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 229 (1986)—Brazil.  
*microps*  
 f. *acuminatum* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 226 (1986)—Brazil.  
 f. *bicense* (Ule) E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 225 (1986): N. *microcephalum* var. *bicensis*.  
 f. *elatum* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 226 (1986)—Brazil.  
 f. *pallidum* (L.B. Smith) E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 226 (1986): N. *microps* var. *pallidum*.  
*propocorum*  
 var. *cariacicaensis* W. Weber in *Feddes Repert.*, 97(3-4): 124 (1986)—Brazil.  
*pulcherrimum* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 227 (1986)—Brazil.  
*selloanum* (Baker) E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 235 (1986): *Quesnelia selloana*.  
*simulans* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 228 (1986)—Brazil.  
*weberi* E. Pereira & E.M.C. Leme in *Bradea*, 4(32): 231 (1986)—Brazil.

**NIGELLA** (Ranunculac.).

- arvensis*  
 subsp. *glaucescens* (Guss.) W. Greuter & Burdet in *Willdenowia*, 19(1): 45 (1989): N. *arvensis* var. *glaucescens*.  
 subsp. *latilabris* (Zohary) W. Greuter & Burdet in *Willdenowia*, 19(1): 45 (1989): N. *deserti* var. *latilabris*.  
 subsp. *negevensis* (Zohary) W. Greuter & Burdet in *Willdenowia*, 19(1): 45 (1989): N. *arvensis* var. *negevensis*.  
 var. *oblanceolata* P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 231, 14 (1988)—Turkey.  
 subsp. *palaestina* (Zohary) W. Greuter & Burdet in *Willdenowia*, 19(1): 45 (1989): N. *arvensis* var. *palaestina*.  
*atropurpurea* Huber, *Cat. 1866*: 4 (1866); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
*nana* J.W. Loud., *Lad. Fl. Gard. Orn. Ann.*: 11 (1840); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**NIGRITELLA** (Orchidac.).

- corneliana* (Beauverd) P. Gözl & H.R. Reinhard in *Jahresber. Naturwiss. Ver. Wuppertal*, 39: 39 (1986): N. *nigra* subsp. *corneliana*.  
*nigra*  
 subsp. *austriaca* H. Teppner & E. Klein in *Phyton (Austria)*, 31(1): 17 (1990)—Austria.  
*rhellicani* H. Teppner & E. Klein in *Phyton (Austria)*, 31(1): 7 (1990)—Austria.  
 f. *fulva* (G. Keller) H. Teppner & E. Klein in *Phyton (Austria)*, 31(1): 10 (1990): N. *nigra* lus. *fulva*.  
 var. *rosea* (Vis. & Sacc. ex Goiran) H. Teppner & E. Klein in *Phyton (Austria)*, 31(1): 10 (1990): N. *nigra* var. *rosea*.

**NOCCAEEA** (Crucif.).

*zaffranii* F.K. Meyer in *Willdenowia*, 15(2): 389 (1986)—Crete.

**NOGALIA** B. Verdcourt in *Kew Bull.*, 43(3): 432 (1988). **BORAGINACEAE**.

*drepanophylla* (Bak.) B. Verdcourt in *Kew Bull.*, 43(3): 432 (1988): *Heliotropium drepanophyllum*.  
subsp. *suaediformis* B. Verdcourt in *Kew Bull.*, 43(3): 434 (1988)—Somali Republic.

**NOGRA** (Legumin.).

*guangxiensis* C.F. Wei in *Guihaia*, 5(4): 351 (1985)—China.

**NOLTEA** (Rhamnac.).

*africana* (L.) Endl., *Cat. Horti Vindob.*, 2: 385 (1842);  
cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984):  
Basionym not stated.

**NONEA** (Boraginac.).

*ovczinnikovii* A.P. Chukavina in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(92): 91 (1983)—U.S.S.R. (Middle Asia).

**×NOPALXALIS** F. Süplie in *Succulenta*, 67(6): 141 (1988). **CACTACEAE**. (*Nopalxochia* × *Rhipsalis*).**×NORNAHAMAMOTOARA** hort. in *Orchid Rev.*, 96(1136): centre page pull-out p. 8 (1988). **ORCHIDACEAE**. (*Aerides* × *Rhynchostylis* × *Vandopsis*).**NORONHIA** (Oleac.).

*emarginata* (Lam.) Poiret in *Dict. Sci. Nat.*, 35: 151 (1825): *Olea emarginata*.†

**NOTELAEA** (Oleac.).

*lloydii* G.P. Guymer in *Austrobaileya*, 2(4): 341 (1987)—Australia (Queensland).  
*pungens* G.P. Guymer in *Austrobaileya*, 2(4): 339 (1987)—Australia (Queensland).

**NOTHOCESTRUM** (Solanac.).

*inconcinnum* H. St. John in *Phytologia*, 61(5): 343 (1986)—Hawaiian Is.

**NOTHODORITIS** Z.H. Tsi in *Acta Phytotax. Sin.*, 27(1): 58 (1989). **ORCHIDACEAE**.

*zhejiangensis* Z.H. Tsi in *Acta Phytotax. Sin.*, 27(1): 59 (1989)—China.

**NOTHOFAGUS** (Fagac.).

subgen. *Brassospora* W.R. Philipson & M.N. Philipson in *Bot. J. Linn. Soc.*, 98(1): 34 (1988).  
subsect. *Menziesiae* W.R. Philipson & M.N. Philipson in *Bot. J. Linn. Soc.*, 98(1): 34 (1988).  
*stylosa* C.G.G.J. van Steenis in *Kew Bull.*, 41(3): 732 (1986)—New Guinea (W. Irian).

**NOTHOSCORDERUM** (Alliac.).

*catharinense* P. Ravenna in *Onira, Bot. Leaflet*, 1(6): 46 (1988)—Brazil.  
*gracile* (Aiton) W.T. Stearn in *Taxon*, 35(2): 338 (1986): *Allium gracile*.  
*gracilipes* P. Ravenna in *Onira, Bot. Leaflet*, 1(6): 45 (1988)—Brazil.

**NOTHOTSUGA** H.H. Hu ex C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 390 (1988 publ. 1989). **PINACEAE**.

*longibracteata* (Cheng) H.H. Hu ex C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 390 (1988 publ. 1989): *Tsuga longibracteata*.

**NOTICASTRUM** (Compos.).

*macbridei* J. Cuatrecasas in *Fontqueria*, 8: 15 (1985)—Peru.

**NOTOCACTUS** (Cactac.).

*arnostianus* K. Lisal & J. Kolarik in *Internoto*, 7(1): 8 (1986)—Brazil.  
*catarinensis* (Ritter) L. Scheinvar in *Fl. Illustr. Catar.*, 1 (Cactac.): 50 (1985): *Brasilparodia catarinensis*.  
*concinus*  
var. *aceguensis* N. Gerloff in *Internoto*, 10(4): 105 (1989)—Brazil.

**NOTOCACTUS** :-

var. *eremiticus* (F. Ritter) N. Gerloff in *Internoto*, 9(4): 112 (1988): *N. eremiticus*.  
var. *gibberulus* (Prestlé) N. Gerloff in *Internoto*, 9(4): 112 (1988): *N. gibberulus*.  
var. *rubrigemmatum* (Abraham) N. Gerloff in *Internoto*, 9(4): 112 (1988): *N. rubrigemmatum*.  
*gibberulus* K.H. Prestlé in *Succulenta*, 65(6-7): 142 (1986)—Brazil.  
*glomeratus* R. Menges in *Internoto*, 10(1): 8 (1989), without latin descr. or type—Brazil.  
*graessneri*  
f. *microdasys* P.J. Braun in *Kakt. And. Sukk.*, 37(3): 57 (1986)—Brazil.  
*grandiensis* S. Bergner in *Internoto*, 10(2): 43 (1989), without latin descr. or type—Brazil.  
*gutierrezii* W.R. Abraham in *Kakt. And. Sukk.*, 39(7): 152 (1988)—Brazil.  
*herteri*  
f. *pseudoherteri* (Buining) K. Herm in *Internoto*, 10(2): 39 (1989): *N. pseudoherteri*.  
*incomptus* N. Gerloff in *Internoto*, 11(2-3): 41 (1990)—Brazil.  
*linkii*  
var. *albispinus* N. Gerloff & G. Schäfer in *Internoto*, 10(1): 11 (1989), without latin descr. or type—Brazil.  
var. *albispinus* W.R. Abraham in *Succulenta*, 69(5): 117 (1990)—Brazil.  
f. *websterianus* D. Debaecke in *Internoto*, 9(2): 58 (1988), without latin descr. or type—Locality not stated.  
*macambarensis* K.H. Prestlé in *Internoto*, 7(3): 72 (1986)—Brazil.  
*memorialis* K.H. Prestlé in *Internoto*, 9(1): 7 (1988)—Uruguay.  
*meonacanthus* K.H. Prestlé in *Internoto*, 7(2): 37 (1986)—Brazil.  
*muegelianus* T. Engel in *Internoto*, 9(4): 121 (1988), without latin descr. or type—Locality not stated.  
*neorechavaletai*  
var. *kovaricii* (Frič ex Berg.) R. Havlíček in *Kaktusy (Brno)*, 16(6): 136 (1980), specific name not validly publ.: *Malacocarpus kovaricii*.  
*olimarensis* K.H. Prestlé in *Internoto*, 6(3): 94 (1985), without latin descr. or type—Uruguay.  
*ottonis*  
var. *globularis* (F. Ritter) S. Bergner in *Internoto*, 9(3): 73 (1988): *N. globularis*.  
var. *janousekianus* K. Papoušek in *Kaktusy (Brno)*, 11(6): 123 (1975)—Locality not stated.  
var. *nigrispinus* H.D. Lück in *Internoto*, 8(4): 124 (1987), without latin descr. or type—Locality not stated.  
*pseudopulvinatus* N. Gerloff in *Internoto*, 8(4): 127 (1987), without latin descr. or type—Locality not stated.  
*ritteranus* K. Lisal & J. Kolarik in *Internoto*, 7(1): 5 (1986)—Brazil.  
*rubrigemmatum* W.-R. Abraham in *Kakt. And. Sukk.*, 39(2): 40 (1988)—Uruguay.  
*rudibuenekeri* W.R. Abraham in *Succulenta*, 67(6): 133 (1988)—Brazil.  
*schaeferianus* (Abraham & Theunissen) R. Havlíček in *Internoto*, 9(2): 39 (1988): *Wigginsia schaeferiana*.  
*scopa*  
var. *albicans* (Arechavaleta) A. Hofacker in *Internoto*, 11(2-3): 69 (1990): *Echinocactus scopa* var. *albicans*.  
var. *cobrensis* N. Gerloff in *Internoto*, 11(1): 9 (1990)—Brazil.  
f. *erythrinus* R. Havlíček in *Internoto*, 9(4): 125 (1988), without latin descr. or type—Locality not stated.  
var. *machadoensis* R. Menges in *Internoto*, 8(4): 109 (1987), without latin descr. or type—Brazil.  
var. *machadoensis* W.-R. Abraham in *Succulenta*, 67(4): 81 (1988)—Brazil.  
f. *marchesii* N. Gerloff in *Internoto*, 9(2): 40 (1988), without latin descr. or type—Uruguay.  
var. *marchesii* W.R. Abraham in *Kakt. And. Sukk.*, 40(7): 176 (1989)—Uruguay.  
var. *muriellii* A. Hofacker in *Internoto*, 10(2): 40 (1989), without latin descr. or type—Locality not stated.  
var. *xicoi* W.R. Abraham in *Succulenta*, 67(5): 111 (1988)—Brazil.

**NOTOCACTUS** :-

var. *xiphacanthus* W.-R. Abraham in *Succulenta*, 66(12): 256 (1987)—Uruguay.  
*uebelmannianus*  
var. *nilsonii* G. Königs in *Internoto*, 11(4): 123 (1990)—Brazil.  
*villa-velhensis* (Backeb. & Voll) Slaba in *Kaktusy*, 20(1): 7 (1984); cf. *Repert. Pl. Succ. (I.O.S.)*, 35: 5 (1985): *N. ottonis* var. *villa-velhensis*.  
var. *carambeiensis* (Buining & Bredero) N. Gerloff in *Internoto*, 11(4): 131 (1990): *N. carambeiensis*.

**NOTONIA** (Compos.).

*hebbingii* W. Rauh & Buchloh in *Kakt. And. Sukk.*, 38(11): 274 (1987)—Madagascar.

**NOTOSERIS** C. Shih in *Acta Phytotax. Sin.*, 25(3): 196 (1987). **COMPOSITAE**.

*dolichophylla* C. Shih in *Acta Phytotax. Sin.*, 27(6): 459 (1989)—China.  
*formosana* (Kitam.) C. Shih in *Acta Phytotax. Sin.*, 25(3): 201 (1987): *Prenanthes formosana*.  
*glandulosa* (Dunn) C. Shih in *Acta Phytotax. Sin.*, 25(3): 198 (1987): *Prenanthes glandulosa*.  
*gracilipes* C. Shih in *Acta Phytotax. Sin.*, 25(3): 198 (1987)—China.  
*guizhouensis* C. Shih in *Acta Phytotax. Sin.*, 25(3): 196 (1987)—China.  
*henryi* (Dunn) C. Shih in *Acta Phytotax. Sin.*, 25(3): 202 (1987): *Prenanthes henryi*.  
*melanantha* (Franch.) C. Shih in *Acta Phytotax. Sin.*, 25(3): 198 (1987): *Lactuca melanantha*.  
*nanchuanensis* C. Shih in *Acta Phytotax. Sin.*, 27(6): 457 (1989)—China.  
*porphyrolepis* C. Shih in *Acta Phytotax. Sin.*, 25(3): 201 (1987)—China.  
*psilolepis* C. Shih in *Acta Phytotax. Sin.*, 25(3): 197 (1987)—China.  
*rhombiformis* C. Shih in *Acta Phytotax. Sin.*, 25(3): 200 (1987)—China.  
*triflora* (Hemsl.) C. Shih in *Acta Phytotax. Sin.*, 25(3): 202 (1987): *Lactuca triflora*.  
*wilsonii* (Chang) C. Shih in *Acta Phytotax. Sin.*, 25(3): 202 (1987): *Prenanthes wilsonii*.  
*yunnanensis* C. Shih in *Acta Phytotax. Sin.*, 25(3): 200 (1987)—China.

**NOTOTRICHE** (Malvac.).

*ecuadoriensis* P.A. Fryxell in *Contrib. Univ. Mich. Herb.*, 17: 164 (1990)—Ecuador.

**×NOTYLETTIA** hort. in *Orchid Rev.*, 97(1145): centre page pull-out p. 9 (1989). **ORCHIDACEAE**. (*Comparettia* × *Notylia*).**×NOTYLOPSIS** hort. in *Orchid Rev.*, 95(1127): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (*Ionopsis* × *Notylia*).**NOVENIA** S.E. Freire in *Bol. Soc. Argent. Bot.*, 24(3-4): 296 (1986). **COMPOSITAE**.

*acaulis* (Wedd. ex Benth.) S.E. Freire & F. Hellwig in *Taxon*, 39(1): 125 (1990): *Dolichogyne acaulis*.  
*tunariensis* (O.K.) S.E. Freire in *Bol. Soc. Argent. Bot.*, 24(3-4): 296 (1986): *Gnaphalium tunariense*.

**NOVOSIEVERSIA** (Rosac.).

*reptans* (L.) E.I. Golubkova in *Bot. Zhurn.*, 72(6): 775 (1987): *Geum reptans*.

**NOWICKEA** J. Martínez G. & J.A. McDonald in *Brittonia*, 41(4): 399 (1989). **PHYTOLACCACEAE**.

*glabra* J. Martínez G. & J.A. McDonald in *Brittonia*, 41(4): 403 (1989)—Mexico.  
*xolocotzii* J. Martínez G. & J.A. McDonald in *Brittonia*, 41(4): 400 (1989)—Mexico.

**NUPHAR** (Nymphaeac.).

*luteum*  
subsp. *advenum* (Ait.) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 67(6): 463 (1989): *Nymphaea advena*.

**NUTTALLANTHUS** D.A. Sutton, *Revis. tribe Antirrhineae*: 455 (1988). **SCROPHULARIACEAE**.

*canadensis* (L.) D.A. Sutton, *Revis. tribe Antirrhineae*: 457 (1988): *Antirrhinum canadense*.

**NUTTALLANTHUS** :-

- floridanus (Chapman) D.A. Sutton, *Revis. tribe Antirrhineae*: 461 (1988): *Linaria floridana*.  
 subandinus (Diels) D.A. Sutton, *Revis. tribe Antirrhineae*: 459 (1988): *L. subandina*.  
 texanus (Scheele) D.A. Sutton, *Revis. tribe Antirrhineae*: 460 (1988): *L. texana*.

**NUTTALLIA** (Loasac.).

- cronquistii (Thompson & Prigge) W.A. Weber in *Phytologia*, 62(5): 437 (1987): *Mentzelia cronquistii*.

× **NYCTOCEPHALOCEREUS** R. Mottram, *Contrib. New Class. Cact. Fam.*: 62 (1990). **CACTACEAE**. (Cephalocereus × Nyctocereus).

**NYCTOCEREUS** (Cactac.).

- castellanosii L. Scheinvar in *An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 47-53: 165 (1976-82 publ. 1984)—Mexico.

**NYMPHAEA** (Nymphaeac.).

- amazonum  
 subsp. pedersenii J.H. Wiersema, *Monogr. Nymphaeae subgen. Hydrocallis (Nymphaeae)* (Syst. Bot. Monog., 16): 86 (1987)—Argentina, Brazil.

× daubenyanus W.T. Baxter ex Daubeney, *Suppl. Oxf. Bot. Gard.*: 40 (1864); cf. D.J. Mabberley in *Taxon*, 33(3): 442 (1984)—Locality not stated.

- nouchali  
 var. caerulea (Savigny) B. Verdcourt in *Fl. Trop. E. Afr., Nymphaeac.*: 7 (1989): *N. caerulea*.  
 var. mutandaensis B. Verdcourt in *Fl. Trop. E. Afr., Nymphaeac.*: 10 (1989)—Uganda.  
 var. ovalifolia (Conard) B. Verdcourt in *Fl. Trop. E. Afr., Nymphaeac.*: 9 (1989): *N. ovalifolia*.  
 var. petersiana (Klotzsch) B. Verdcourt in *Fl. Trop. E. Afr., Nymphaeac.*: 11 (1989): *N. petersiana*.  
 var. zanzibariensis (Casp.) B. Verdcourt in *Fl. Trop. E. Afr., Nymphaeac.*: 10 (1989): *N. zanzibariensis*.  
 thermarum E. Fischer in *Feddes Repert.*, 99(9-10): 388 (1988)—Rwanda.

**NYMPHOIDES** (Menyanthac.).

- beaglenensis H.I. Aston in *Muelleria*, 6(5): 359 (1987)—Australia (W. Australia).  
 disperma H.I. Aston in *Muelleria*, 6(3-4): 197 (1986)—Australia (W. Australia).  
 herzogii A. Galán de Mera & G. Navarro in *Opusc. Bot. Pharm. Complutensis*, 5: 82 (1989)—Bolivia.  
 krishnakasara K.T. Joseph & V.V. Sivarajan in *Nordic J. Bot.*, 10(3): 281 (1990)—India.  
 verrucosa (R.E. Fries) A. Galán de Mera & G. Navarro in *Opusc. Bot. Pharm. Complutensis*, 5: 82 (1989): *Limnanthemum verrucosum*.

**NYSSA** (Cornac.).

- talamancana B.E. Hammel & N.A. Zamora in *Brittonia*, 42(3): 165 (1990)—Costa Rica, Panama.

**O****OBERNA** (Caryophyllac.).

- antelopum (Vest) M. Sourková in *Preslia*, 62(2): 165 (1990): *Cucubalus antelopum*.  
 behen  
 subsp. angustifolia (Guss.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene angustifolia*.  
 subsp. antelopum (Vest) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Cucubalus antelopum*.  
 subsp. commutata (Guss.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene commutata*.  
 subsp. glareosa (Ford.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene glareosa*.

**OBERNA** :-

- subsp. humilis (Schubert) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene vulgaris* var. *humilis*.  
 subsp. macrocarpa (Turrill) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene vulgaris* subsp. *macrocarpa*.  
 subsp. marginata (Kit.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Cucubalus marginatus*.  
 subsp. maritima (With.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene maritima*.  
 subsp. prostrata (Gaud.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene inflata* prostrata.  
 subsp. suffrutescens (Greuter, Matthäs & Risse) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene vulgaris* subsp. *suffrutescens*.  
 subsp. thorei (Duf.) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(4): 216 (1984 publ. 1986): *Silene thorei*.  
 suffrutescens (Greuter, Matthäs & Risse) J. Holub in *Preslia*, 58(4): 302 (1986): *Silene vulgaris* subsp. *suffrutescens*.

**OBERONIA** (Orchidac.).

- balakrishnanii R. Ansari in *Orchid Monogr.*, 4: 16 (1990)—India.  
 complanata (Cunn.) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 98 (1989): *Dendrobium complanatum*.  
 denticulata  
 var. angustifolia (Hook. f.) S. Misra in *J. Orchid Soc. India*, 3(1-2): 70 (1989): *O. iridifolia* var. *angustifolia*.  
 var. brevifolia (Hook. f.) S. Misra in *J. Orchid Soc. India*, 3(1-2): 70 (1989): *O. iridifolia* var. *brevifolia*.  
 var. iridifolia (Roxb.) S. Misra in *J. Orchid Soc. India*, 3(1-2): 69 (1989): *Cymbidium iridifolium*.  
 nayarii R. Ansari & R. Balakrishnan in *Orchid Monogr.*, 4: 17 (1990)—India.  
 quadridentata L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 423 (1988)—Vietnam.  
 rangannana K.R. Keshava Murthy, S.N. Yoganarasimhan & K. Vasudevan Nair in *Current Sci.*, 56(12): 621 (1987), as 'rangannaiana'—India.  
 wynadensis M. Sivadasan & R.T. Balakrishnan in *Nordic J. Bot.*, 9(4): 395 (1989 publ. 1990)—India.

**OBLIVIA** J.L. Strother in *Syst. Bot.*, 14(4): 541 (1989). **COMPOSITAE**.  
 mikanioides (Britton) J.L. Strother in *Syst. Bot.*, 14(4): 541 (1989): *Salmea mikanioides*.  
 simplex (Badillo) H. Robinson in *Phytologia*, 69(2): 106 (1990): *Otopappus simplex*.

**OBOLINGA** R.C. Barneby in *Brittonia*, 41(2): 170 (1989). **LEGUMINOSAE**.

- zanonii R.C. Barneby in *Brittonia*, 41(2): 170 (1989)—Hispaniola (Dominican Republic, Haiti).

**OCHNA** (Ochnac.).

- obtusata  
 subsp. pumila (Buch.-Ham. ex DC.) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 156 (1989): *O. pumila*.

**OCHROSPERMA** M.E. Trudgen in *Nuytsia*, 6(1): 11 (1987). **MYRTACEAE**.

- citriodorum (Penfold & Willis) M.E. Trudgen in *Nuytsia*, 6(1): 14 (1987): *Baeckea citriodora*.  
 lineare (C.T. White) M.E. Trudgen in *Nuytsia*, 6(1): 12 (1987): *Baeckea linearis*.  
 monticola M.E. Trudgen in *Nuytsia*, 6(1): 15 (1987)—Australia (New South Wales).

**OCHTHOCOSMUS** (Ixanthac.).

- micranthus J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 318 (1988)—Venezuela.

**OCIMUM** (Labiata).

- acutum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 546 (1784)—Japan.†

**OCIMUM** :-

- crispum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 546 (1784)—Japan.†  
 inflexum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 546 (1784)—Japan.†  
 jamesii O. Sebald in *Stuttgarter Beitr. Naturk.*, A, 405: 3 (1987), nom. nov.: *O. tomentosum* Oliver.  
 nutans Koen. ex Rottb., *Pl. Hort. Univ. Rar. Prog.*: 22 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984)—Locality not stated.  
 punctatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 545 (1784)—Japan.†  
 rugosum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 546 (1784)—Japan.†  
 sideritidis Koen. ex Rottb., *Pl. Hort. Univ. Rar. Prog.*: 21 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984)—Locality not stated.  
 virgatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 546 (1784)—Japan.†

**OCOTEA** (Laurac.).

- albescens I. de Vattimo-Gil in *Arq. Jard. Bot. Rio de Janeiro*, 28: 182 (1986-87 publ. 1988)—Brazil.  
 arnottiana (Nees) H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(4): 1175 (1989): *Nectandra arnottiana*.  
 bissei N.N. Imkhanitskaya in *Novosti Sist. Vyssh. Rast.*, 26: 75 (1989), nom. nov.: *Persea similis* Britt. & P. Wils.  
 camphoromoea J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 179 (1986), nom. nov.: *Camphoromoea subtripinervia* Nees.  
 deflexa J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 214 (1986), nom. nov.: *Oreodaphne declinata* Meissn.  
 dentata H. van der Werff in *Fieldiana, Bot.*, 23: 78 (1990)—Costa Rica, Nicaragua, Panama.  
 douradensis I. de Vattimo-Gil in *Rev. Brasil. Biol.*, 48(4): 951 (1988)—Brazil.  
 duplocolorata I. de Vattimo-Gil in *Arq. Jard. Bot. Rio de Janeiro*, 28: 183 (1986-87 publ. 1988)—Brazil.  
 erectifolia (Allen) H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 419 (1988): *Phoebe erectifolia*.  
 fendleri (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 152 (1986): *Gymnabalanus fendleri*.  
 flavantha H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 464 (1989)—Venezuela.  
 glabra H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 466 (1989)—Venezuela.  
 glaucosericea J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 144 (1986), nom. nov.: *Nectandra hypoglauca* Standl. ex C.K. Allen.  
 glomerata  
 subsp. magnifica (O.C. Schmidt) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 159 (1986): *O. magnifica*.  
 gomezii W. Burger in *Fieldiana, Bot.*, 23: 81 (1990)—Costa Rica.  
 hartshorniana B.E. Hammel in *J. Arnold Arbor.*, 67(1): 128 (1986)—Costa Rica, Ecuador.  
 holdridgeana W. Burger in *Fieldiana, Bot.*, 23: 83 (1990)—Costa Rica, Panama.  
 huberi H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 467 (1989)—Venezuela.  
 julianii H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 468 (1989), nom. nov.: *Phoebe steyermarkiana* Allen.  
 lentii W. Burger in *Fieldiana, Bot.*, 23: 86 (1990)—Costa Rica.  
 liesneri H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 468 (1989)—Venezuela.  
 lobbii (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 113 (1986): *Oreodaphne lobbii*.  
 megacarpa H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 469 (1989)—Venezuela.  
 microneura (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 130 (1986): *Mespilodaphne microneura*.  
 mollicella (Blake) H. van der Werff in *Fieldiana, Bot.*, 23: 88 (1990): *Phoebe mollicella*.  
 montevidensis W. Burger in *Fieldiana, Bot.*, 23: 89 (1990)—Costa Rica.  
 nitida (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 160 (1986): *Aydendron nitidum*.  
 oblonga  
 subsp. cuprea (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 151 (1986): *Oreodaphne cuprea*.



**OCOTEA** :-

- oblongoobovata (Nees) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 153 (1986): Oreodaphne oblongoobovata.
- odorifera (Vell.) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 111 (1986): Laurus odorifera.
- perrobusta (C.K. Allen) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 170 (1986): Aiouea perrobusta.
- peruviana J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 154 (1986), nom. nov.: Oreodaphne cuneifolia Nees.
- pittieri (Mez) H. van der Werff in Fieldiana, Bot., 23: 92 (1990): Phoebe pittieri.
- producta (C.K. Allen) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 143 (1986): Nectandra producta.
- pseudopalmana W. Burger in Fieldiana, Bot., 23: 92 (1990)—Costa Rica.
- quadruporata (Burger) A.J.G.H. Kostermans in Bot. Helvetica, 100(1): 36 (1990): Povedadaphne quadruporata.
- reticularis (Britton & Wilson) C.K. Allen ex J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 126 (1986): Nectandra reticularis.
- rigens (Nees) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 215 (1986): Oreodaphne rigens.
- roseopedunculata H. van der Werff in Ann. Missouri Bot. Gard., 76(2): 470 (1989)—Venezuela.
- silvae I. de Vattimo-Gil in Rev. Brasil. Biol., 48(4): 952 (1988)—Brazil.
- strigosa H. van der Werff in Ann. Missouri Bot. Gard., 75(2): 723 (1988)—Nicaragua.
- tabacifolia (Meisn.) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 173 (1986): Persea tabacifolia.
- tomentosa H. van der Werff in Ann. Missouri Bot. Gard., 76(2): 470 (1989)—Venezuela.
- uxpanapana T. Wendt & H. van der Werff in Ann. Missouri Bot. Gard., 74(2): 413 (1987)—Mexico.
- valeriana (Standl.) W. Burger in Fieldiana, Bot., 23: 96 (1990): Phoebe valeriana.
- valeroides W. Burger in Fieldiana, Bot., 23: 97 (1990)—Costa Rica, Panama.
- velutina (Nees) J.G. Rohrer in Mitt. Inst. Allg. Bot. Hamburg, 20: 172 (1986): Oreodaphne velutina.
- wilhelmiana I. de Vattimo-Gil in Rev. Brasil. Biol., 48(4): 954 (1988)—Surinam.

**OCTOMERIA** (Orchidac.).

- gemma G. Carnevali F.C. & I. Ramírez in Ernstia, 39: 13 (1986)—Venezuela.
- heleneana G. Carnevali F.C. & F. Delascio Chitty in Ernstia, 45: 12 (1987)—Venezuela.
- romerorum G. Carnevali & I. Ramírez in Ann. Missouri Bot. Gard., 77(3): 551 (1990)—Venezuela.

**ODICARDIS** (Scrophulariac.).

- simensis (Fresen.) K. Barringer in Taxon, 38(1): 140 (1989): Veronica simensis.

**ODONTARRHENA** (Crucif.).

- muralis (Walld. & Kit.) Endl., Cat. Horti Vindob., 2: 245 (1842); cf. D.J. Mabberley in Taxon, 33(3): 435 (1984): Alyssum murale.

**ODONTITES** (Scrophulariac.).

- asturicus (Lainz) M. Lainz, Mis contrib. conocim. fl. Asturias: 57 (1982): O. viscosus subsp. asturicus.
- var. sanguineus M. Lainz, Mis contrib. conocim. fl. Asturias: 58 (1982)—Spain.
- lanceolata
- subsp. provincialis M. Bolliger in Bot. Jahrb., 111(1): 19 (1989)—France.
- vulcanicus M. Bolliger in Bot. Jahrb., 112(1): 116 (1990)—Morocco.

**ODONTOCARYA** (Menispermac.).

- mexicana R.C. Barneby in An. Inst. Biol. Univ. Nac. Auton. Méx., Bot., 54: 153 (1983 publ. 1987)—Mexico.

**ODONTOCHILUS** (Orchidac.).

- inabai
- var. candidus (Lin & Hsu) S.S. Ying in Quart. J. Chinese Forest., 21(2): 116 (1988): Odontochilus candidus.

**ODONTOGLOSSUM** (Orchidac.).

- cristatellum
- var. argus (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 51 (1989): O. cristatum var. argus.
- var. canari (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 51 (1989): O. cristatum var. canari.
- var. dayanum (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 51 (1989): O. cristatum var. dayanum.
- subsp. lehmannii (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 53 (1989): O. lehmannii.
- crocidipterum
- subsp. dormanianum (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 162 (1989): O. dormanianum.
- gloriosum
- var. flaviflorum L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 148 (1989)—Colombia.
- lindleyanum
- var. parviflorum L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 194 (1989)—Ecuador.
- matangense L. Bockemühl in Orchidee, 37(5): 209 (1986)—Ecuador.
- nobile
- var. leucoxanthum (Rchb. f.) L. Bockemühl in Orchidee, 38(4): 177 (1987): O. pescatorei var. leucoxanthum.
- var. veitchianum (Rchb. f.) L. Bockemühl in Orchidee, 38(4): 177 (1987): O. pescatorei var. veitchianum.
- portmannii L. Bockemühl in Orchidee, 39(1): 13 (1988)—Ecuador, Peru.
- subsp. cohriae L. Bockemühl in Orchidee, 39(1): 15 (1988)—Colombia.
- ramosissimum
- var. albomaculatum L. Bockemühl in Orchidee, 37(4): 161 (1986), as 'albo-maculatum'—Ecuador.
- reversum L. Bockemühl in Orchidee, 37(5): 207 (1986)—Colombia.
- sceptrum
- var. facetum (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 116 (1989): O. facetum.
- var. masereelianum (Rchb. f.) L. Bockemühl in Orchidee, 38(5): 229 (1987): O. masereelianum.
- spectatissimum
- var. cinctum (Rchb. f.) L. Bockemühl, Odontoglossum, Monogr. u. Ikonogr.: 68 (1989): O. triumphans var. cinctum.

**ODONTONEMA** (Acanthac.).

- auriculatum (Rose) T.F. Daniel in Southwest. Nat., 31(2): 174 (1986): Jacobinia auriculata.

**×ODONTOPILIA** hort. in Orchid Rev., 95(1119): centre page pull-out p. 8 (1987), as 'Odontopolia'. ORCHIDACEAE. (Odontoglossum × Trichopilia).**OECEOLADES** (Orchidac.).

- pulchra (Thouars) Cribb & M.A. Clements in Austral. Orchid Res., 1: 99 (1989): Limodorum pulchrum.

**OEDIBASIS** (Umbellif.).

- pachyphylla I.C. Hedge & J.M. Lamond in Fl. Iran., 162: 437 (1987)—Afghanistan.

**OENANTHE** (Umbellif.).

- alatinervis Y.Y. Qian in Guihaia, 9(2): 117 (1989)—China.

**OENOCARPUS** (Palmae).

- balickii F. Kahn in Candollea, 45(1): 351 (1990)—Peru.

**OENOTHERA** (Onagrac.).

- subsect. Australis W.L. Wagner & W. Dietrich in Ann. Missouri Bot. Gard., 73(2): 479 (1986).
- ser. Candela W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 147 (1987).
- sect. Contortae W.L. Wagner in Ann. Missouri Bot. Gard., 73(2): 478 (1986).
- sect. Eremia W.L. Wagner in Ann. Missouri Bot. Gard., 73(2): 477 (1986).

**OENOTHERA** :-

- subsect. Nutantigemma W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 145 (1987).
- ser. Raimannia (Rose ex Britton & A. Brown) W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 148 (1987): gen. Raimannia.
- sect. Ravenia W.L. Wagner in Ann. Missouri Bot. Gard., 73(2): 477 (1986).
- breedlovei W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 146 (1987)—Mexico.
- caespitosa
- var. macroglottis (Rydb.) A. Cronquist in Great Basin Nat., 46(2): 259 (1986): Pachylophus macroglottis.
- var. navajoensis (Wagner, Stockhouse & Klein) A. Cronquist in Great Basin Nat., 46(2): 259 (1986), without full basionym ref.: O. caespitosa subsp. navajoensis.
- cordata J.W. Loud., Lad. Fl. Gard. Orn. Perenn., 1: 167 (1843); cf. D.J. Mabberley in Taxon, 32(1): 87 (1983)—Locality not stated.
- coryi W.L. Wagner in Ann. Missouri Bot. Gard., 73(2): 475 (1986)—U.S.A. (Texas).
- drummondii
- subsp. thalassaphila (Brandeggee) W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 150 (1987): O. thalassaphila.
- elata
- subsp. hookeri (Torrey & A. Gray) W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 152 (1987): O. hookeri.
- subsp. texensis W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 152 (1987)—U.S.A. (Texas).
- falfurriae W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 149 (1987)—U.S.A. (Texas).
- flava
- var. acutissima (W.L. Wagner) S.L. Welsh in Great Basin Nat., 46(2): 259 (1986): O. acutissima.
- subsp. taraxacoides (Woot. & Standl.) W.L. Wagner in Ann. Missouri Bot. Gard., 73(2): 479 (1986): Lavandula taraxacoides.
- gigantea Huber, Cat. Gén. 1871 & 1872: 4 (1871); cf. D.J. Mabberley in Taxon, 34(3): 453 (1985)—Locality not stated.
- nissensis
- var. fiedleri P. Gutte & K. Rostański in Ber. Arbeitsgemeinschaft. Sächs. Bot., 11(2): 185 (1981)—Germany.
- primiveris
- var. bufonis (Jones) A. Cronquist in Great Basin Nat., 46(2): 259 (1986): O. bufonis.
- ×rigirubata Renner ex P. Gutte & K. Rostański in Ber. Arbeitsgemeinschaft. Sächs. Bot., 11(2): 188 (1981)—Germany. (O. ammophila var. germanica × biennis).
- rubricaulis
- var. longistylis P. Gutte & K. Rostański in Ber. Arbeitsgemeinschaft. Sächs. Bot., 11(2): 187 (1981)—Germany.
- salicifolia Desf. ex Lehm., Sem. Hort. Bot. Hamb., 1824: 20 (1824); cf. D.J. Mabberley in Taxon, 32(1): 85 (1983)—Locality not stated.
- spectabilis Lehm., Sem. Hort. Bot. Hamb., 1824: 20 (1824); cf. D.J. Mabberley in Taxon, 32(1): 85 (1983)—Locality not stated.
- tamrae W. Dietrich & W.L. Wagner in Ann. Missouri Bot. Gard., 74(1): 146 (1987)—Mexico.

**OENONIA** (Orchidac.).

- brauniana
- var. sarcanthoides (Schltr.) J. Bosser in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(2): 162 (1989); see Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(4): 382 (1989 publ. 1990): Oeoniella sarcanthoides.

**OERSTEDELLA** (Orchidac.).

- aberrans (Schltr.) F. Hamer in Ic. Pl. Trop., 9 (Orch. Nicaragua, pt. 3): t. 891 (1983): Epidendrum aberrans.

**UGLIFA** (Compos.).

- lojaconoi S. Brullo in Doc. Phytosoc., N.S., 9: 8 (1985), in reprint, nom. nov.: Filago cossyrensis Loja.

**OLAX** (Olapac.).

acuminata Wall. ex Benth. in *Proc. Linn. Soc.*, 1: 89 (1840); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.  
 nana Wall. ex Benth. in *Proc. Linn. Soc.*, 1: 88 (1840); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.

**OLDENBURGIA** (Compos.).

intermedia P. Bond in *S. Afr. J. Bot.*, 53(6): 496 (1987)—South Africa (Cape Province).

**OLDENLANDIA** (Rubiace.).

subgen. *Phymatista* B. Verdcourt in *Fl. Zambes.*, 5(1): 121 (1989).  
 drymarioides (Standley) E.E. Terrell in *Phytologia*, 59(1): 80 (1985): *Houstonia drymarioides*.  
 machingensis B. Verdcourt in *Fl. Zambes.*, 5(1): 140 (1989)—Malawi.  
 robinsonii B. Verdcourt in *Fl. Zambes.*, 5(1): 142 (1989)—Zambia.  
 verrucitesta B. Verdcourt in *Fl. Zambes.*, 5(1): 133 (1989)—Mozambique.

**OLDENLANDIOPSIS** E.E. Terrell & W.H. Lewis in

*Brittonia*, 42(3): 185 (1990). **RUBIACEAE**.  
 callitrichoides (Griseb.) E.E. Terrell & W.H. Lewis in *Brittonia*, 42(3): 185 (1990): *Oldenlandia callitrichoides*.

**OLEA** (Oleac.).

capensis  
 subsp. hochstetteri (Baker) I. Friis & P.S. Green in *Kew Bull.*, 41(1): 36 (1986): *O. hochstetteri*.  
 subsp. welwitschii (Knobl.) I. Friis & P.S. Green in *Kew Bull.*, 41(1): 36 (1986): *Mayepea welwitschii*.  
 europaea  
 f. dulcis S. Collette in *Kew Mag.*, 5(1): 38 (1988)—Saudi Arabia.  
 fragrans C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 57 (1784)—Japan.†  
 maroccana W. Greuter & Burdet in *Willdenowia*, 19(1): 37 (1989), nom. nov.: *O. salicifolia Barbero et al.*  
 salicifolia M. Barbero, A. Benabid, P. Quezel, S. Rivas-Martínez & A. Santos in *Doc. Phytosoc.*, n.s., 6: 319 (1982)—Morocco.

**OLEARIA** (Compos.).

archeri N.S. Lander in *Muelleria*, 7(1): 117 (1989)—Tasmania.  
 astroloba N.S. Lander & N.G. Walsh in *Muelleria*, 7(1): 123 (1989)—Australia (Victoria).  
 eremaea N.S. Lander in *Nuytsia*, 7(2): 141 (1990)—Australia (W. Australia).  
 fluvialis N.S. Lander in *Nuytsia*, 7(2): 145 (1990)—Australia (W. Australia).  
 gordonii N.S. Lander in *Nuytsia*, 7(1): 32 (1989)—Australia (Queensland).  
 humilis N.S. Lander in *Nuytsia*, 7(1): 26 (1989)—Australia (W. Australia).  
 incondita N.S. Lander in *Nuytsia*, 7(2): 147 (1990)—Australia (W. Australia).  
 laciniifolia N.S. Lander in *Nuytsia*, 7(2): 149 (1990)—Australia (W. Australia).  
 macdonnellensis D.A. Cooke in *Muelleria*, 6(3–4): 181 (1986)—Australia (N. Terr.).  
 mucronata N.S. Lander in *Nuytsia*, 7(2): 151 (1990)—Australia (W. Australia).  
 occidentissima N.S. Lander in *Nuytsia*, 7(2): 153 (1990)—Australia (W. Australia).  
 pannosa  
 subsp. cardiophylla (F. Muell.) D.A. Cooke in *Fl. S. Australia*, 3: 1483 (1986): *Eurybia cardiophylla*.  
 plucheacea N.S. Lander in *Nuytsia*, 7(2): 157 (1990)—Australia (W. Australia).  
 tridens D.A. Cooke in *Muelleria*, 6(3–4): 182 (1986)—Australia (N. Terr.).

**OLIGOPHYTON** H.P. Linder in *Kew Bull.*, 41(2):

314 (1986). **ORCHIDACEAE**.  
 drummondii H.P. Linder & G. Williamson in *Kew Bull.*, 41(2): 314 (1986)—Zimbabwe.

**OLIGOSPORUS** (Compos.).

dracuncululus  
 subsp. dracunculinus (S. Wats.) W.A. Weber in *Phytologia*, 67(6): 426 (1989): *Artemisia dracunculina*.

**OLIGOSTACHYUM** (Gramin.).

heterolodiculum W.T. Lin & Z.J. Feng in *Guihaia*, 10(1): 16 (1990)—China.

**OLIVERIANA** (Orchidac.).

ecuadorensis C.H. Dodson in *Ik. Pl. Trop.*, Ser. 2, 6: t. 558 (1989)—Ecuador.  
 simulans C.H. Dodson & R. Vázquez Ch. in *Ik. Pl. Trop.*, Ser. 2, 3: t. 270 (1989)—Bolivia.

**OLSYNIUM** (Iridac.).

acaulis (Klatt) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium acaulis*.  
 biflorum (Thunb.) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Gladiolus biflorus*.  
 bodenbenderi (Kurtz) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Chamelum bodenbenderi*.  
 filifolium (Gaudich.) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium filifolium*.  
 frigidum (Poeppig) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium frigidum*.  
 junceum (E. Meyer ex Presl) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium junceum*.  
 luteum (Philippi) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Chamelum luteum*.  
 lyckholmi (Dusen) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Symphystemon lyckholmi*.  
 obscura (Cav.) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Galaxia obscura*.  
 philippii (Klatt) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium philippii*.  
 scirpoideum (Poeppig) P. Goldblatt in *Syst. Bot.*, 15(3): 508 (1990): *Sisyrinchium scirpoideum*.

**OLYRA** (Gramin.).

amapana T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 5 (1989)—Brazil.  
 holtumiana T.R. Soderstrom & F.O. Zuloaga in *Kew Bull.*, 41(3): 722 (1986)—Panama.  
 latispicula T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 35 (1989)—Brazil.  
 retrorsa T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 54 (1989)—Brazil.  
 tamanquareana T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 58 (1989)—Brazil.

**OMALOTHECA** (Compos.).

supina  
 subsp. pusilla (Haenke) S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in *Opusc. Bot. Pharm. Complutensis*, 2: 114 (1986), without basionym page: *Gnaphalium pusillum*.  
 subsp. pusilla (Haenke) Rivas-Martínez et al. ex F. Amich, J.A. Sánchez Rodríguez & F.J. Fernández Díez, *Exsicc. Select. Fl. Ibericae*: 27 (1988): *Gnaphalium pusillum*.  
 sylvatica  
 var. carpetana (Boiss. & Reuter ex Willk.) T. Romero Martín & E. Rico Hernández in *Ruizia*, 8: 284 (1989): *Gnaphalium sylvaticum* var. *carpetanum*.

**OMPHALODES** (Boraginac.).

davisiana Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1–2): 125 (1986)—Turkey.  
 glochidata A. Bunge, *Beitr. Fl. Russl.*: 237 (1852)—U.S.S.R. (Middle Asia).†  
 physodes A. Bunge, *Beitr. Fl. Russl.*: 238 (1852)—U.S.S.R. (Middle Asia).†  
 richardsonii G.L. Nesom in *Sida*, 13(1): 27 (1988)—Mexico.

**OMPHALOTRIGONOTIS** (Boraginac.).

vaginata Y.Y. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 89 (1987)—China.

**ONAGRA** (Onagrac.).

elata (Kunth) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1838: 5 (1838); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983): *Oenothera elata*.

**ONCIDIUM** (Orchidac.).

andradeanum C.H. Dodson & D.E. Bennett in *Ik. Pl. Trop.*, Ser. 2, 2: t. 120 (1989)—Ecuador, Peru.  
 inouei T. Hashimoto in *Bull. Nation. Sci. Mus.*, B (Tokyo), 16(1): 23 (1990)—Peru.  
 leleui R. Jiménez Machorro & M.A. Soto Arenas in *Orquidea (México)*, 12(1): 58 (1990)—Mexico.  
 pastorellii C.H. Dodson & D.E. Bennett in *Ik. Pl. Trop.*, Ser. 2, 2: t. 138 (1989)—Peru.  
 urophyllum  
 f. flavum R.J. Midgett in *Amer. Orchid Soc. Bull.*, 58(2): 124 (1989)—Leeward Is.

**ONCOSIPHON** M. Källersjö in *Bot. J. Linn. Soc.*,

96(4): 310 (1988). **COMPOSITAE**.  
 africanum (Berg.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 312 (1988): *Matricaria africana*.  
 glabratum (Thunb.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 312 (1988): *Chrysanthemum glabratum*.  
 grandiflorum (Thunb.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 313 (1988): *Tanacetum grandiflorum*.  
 intermedium (Hutch.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 313 (1988): *Pentzia intermedia*.  
 piluliferum (L.f.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 314 (1988): *Cotula pilulifera*.  
 sabulosum (Wolley Dod) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 313 (1988)—*Matricaria sabulosa*.  
 schlechteri (Bolus ex Schlechter) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 312 (1988): *Matricaria schlechteri*.  
 suffruticosum (L.) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 313 (1988): *Tanacetum suffruticosum*.

**ONCOSTEMA** (Hyacinthac.).

subgen. *Petranthe* (Salisb.) F. Speta in *Phyton (Austria)*, 26(2): 272 (1987): gen. *Petranthe*.  
 africana (Borzi & Mattei) F. Speta in *Phyton (Austria)*, 26(2): 264 (1987): *Scilla africana*.  
 barba-caprae (Aschers. & Barbey ex Durand & Baratte) F. Speta in *Phyton (Austria)*, 26(2): 264 (1987): *Ornithogalum barba-caprae*.  
 beirana (Samp.) F. Speta in *Phyton (Austria)*, 26(2): 264 (1987): *Scilla beirana*.  
 cerulea (Rafin.) F. Speta in *Phyton (Austria)*, 26(2): 265 (1987): *Ornithogalum ceruleum*.  
 elongata (Parlatore) F. Speta in *Phyton (Austria)*, 26(2): 265 (1987): *Scilla elongata*.  
 hughii (Tineo ex Guss.) F. Speta in *Phyton (Austria)*, 26(2): 265 (1987): *Scilla hughii*.  
 liliohyacinthus (L.) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla lilio-hyacinthus*.  
 monophyllos (Link) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla monophyllos*.  
 odorata (Link) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla odorata*.  
 peruviana (L.) F. Speta in *Phyton (Austria)*, 26(2): 264 (1987): *Scilla peruviana*.  
 ramburei (Boiss.) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla ramburei*.  
 sicula (Tineo ex Guss.) F. Speta in *Phyton (Austria)*, 26(2): 265 (1987): *Scilla sicula*.  
 tingitana (Schousb.) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla tingitana*.  
 umbellata (Ramond) F. Speta in *Phyton (Austria)*, 26(2): 274 (1987): *Scilla umbellata*.  
 verna (Hudson) F. Speta in *Phyton (Austria)*, 26(2): 272 (1987): *Scilla verna*.

**ONCOTHECA** (Oncothecac.).

humboldtiana (Guillaumin) P. Morat & J.M. Veillon in *Fl. N. Calé. & Dépend.*, 15: 96 (1988): *Elaeodendron humboldtianum*.

**ONOBROMA** (Compos.).

cretica (L.) Hornem., *Hort. Hafn.*: 786 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984): *Basionym* not stated.  
 lanata (L.) Hornem., *Hort. Hafn.*: 786 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984): *Carthamus lanatus*.  
 mitissima (L.) Hornem., *Hort. Hafn.*: 786 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984): *Basionym* not stated.

**ONOBRYCHIS** (Legumin.).

alba  
 subsp. tenoreana (Lacaita) Pignatti ex W. Greuter & Burdet in *Willdenowia*, 16(2): 446 (1987): *O. tenoreana*.

**ONOBRYCHIS** :-

- cilicica* Küt Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 119 (1986)—Turkey.
- humilis* (L.) G. López González in *An. Jard. Bot. Madrid*, 42(2): 321 (1985 publ. 1986): *Hedysarum humile*.
- subsp. jahandiezii* (Širj.) W. Greuter & Burdet in *Willdenowia*, 19(1): 33 (1989): *O. jahandiezii*.
- subsp. matritensis* (Boiss. & Reuter) W. Greuter & Burdet in *Willdenowia*, 19(1): 33 (1989): *O. matritensis*.
- marashensis* H. Duman & M. Vural in *Doğa, Turk. J. Bot.*, 14: 45 (1990)—Turkey.
- var. alpina* H. Duman & M. Vural in *Doğa, Turk. J. Bot.*, 14: 48 (1990)—Turkey.
- var. longicaulis* H. Duman & M. Vural in *Doğa, Turk. J. Bot.*, 14: 47 (1990)—Turkey.
- montana*
- subsp. macrocarpa* A. Strid in *A. Strid (ed.), Mount. Fl. Greece*, 1: 537 (1986)—Greece.
- mutensis* Küt Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 117 (1986)—Turkey.
- sivasica* Küt Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1-2): 119 (1986)—Turkey.
- tesquicola* L.I. Kritskaya in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 126 (1975 publ. 1976)—U.S.S.R. (Ukraine).

**ONONIS** (Legumin.).

- alopecuroides*
- subsp. exalopecuroides* (G. López) W. Greuter & Burdet in *Willdenowia*, 19(1): 33 (1989): *O. exalopecuroides*.
- azcaratei* J.A. Devesa in *Lagascalia*, 14(1): 143 (1986)—Spain.
- baetica*
- var. donanensis* J.A. Devesa in *Lagascalia*, 14(1): 83 (1986)—Spain.
- exalopecuroides* G. López González in *An. Jard. Bot. Madrid*, 42(2): 322 (1985 publ. 1986)—Israel.
- natrix*
- subsp. gibraltarica* (Boiss.) J.A. Devesa in *Mem. Soc. Brot.*, 28: 34 (1988): *O. gibraltarica*.
- pendula*
- subsp. boissieri* (Širj.) J.A. Devesa in *Lagascalia*, 14(1): 144 (1986): *O. pendula* f. *boissieri*.
- subsp. munbyi* (Širj.) W. Greuter & Burdet in *Willdenowia*, 16(2): 446 (1987): *O. pendula* var. *munbyi*.
- repens*
- subsp. antiquorum* (L.) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. antiquorum*.
- subsp. arvensis* (L.) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. arvensis*.
- subsp. australis* (Širj.) J.A. Devesa in *Lagascalia*, 14(1): 145 (1986): *O. repens* var. *australis*.
- subsp. austriaca* (G. Beck) W. Greuter & Burdet in *Willdenowia*, 16(2): 446 (1987): *O. austriaca*.
- subsp. diacantha* (Reichenb.) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. diacantha*.
- var. hispanica* (Lange) J.A. Devesa in *Lagascalia*, 14(1): 145 (1986): *O. antiquorum* var. *hispanica*.
- subsp. leioperma* (Boiss.) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. leioperma*.
- subsp. masquillierii* (Bertol.) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. masquillierii*.
- subsp. spinosa* W. Greuter in *Willdenowia*, 16(1): 113 (1986), nom. nov.: *O. campestris* Koch & Ziz.
- subsp. spinosiformis* (Simonkai) W. Greuter in *Willdenowia*, 16(1): 113 (1986): *O. spinosiformis*.
- spinosa*
- subsp. arvensis* (L.) W. Greuter & Burdet in *Willdenowia*, 19(1): 33 (1989): *O. arvensis*.
- subsp. australis* (Širj.) W. Greuter & Burdet in *Willdenowia*, 19(1): 33 (1989): *O. repens* var. *australis*.
- subsp. masquillierii* (Bertol.) W. Greuter & Burdet in *Willdenowia*, 19(1): 34 (1989): *O. masquillierii*.
- subsp. spinosiformis* (Simkovics) W. Greuter & Burdet in *Willdenowia*, 19(1): 34 (1989): *O. spinosiformis*.
- varelae* J.A. Devesa in *Lagascalia*, 14(1): 84 (1986)—Spain.

**ONOPORDUM** (Compos.).

- bracteatum*
- var. arachnoideum* S. Erik & H. Sümbül in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 155 (1986)—Turkey.
- ×*humile*
- var. turolensis* (Sennen) M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 97 (1990): *O. × turolensis*.
- sarratii* C.C. Townsend in *Kew Bull.*, 42(2): 439 (1987)—Iraq.
- ONOSMA** (Boraginac.).
- edmondsonii* H. Riedl in *Linz. Biol. Beitr.*, 19(2): 461 (1987), nom. nov.: *O. anisocalyx* Edmondson & H. Riedl.
- epiroticum* H. Teppner in *Phyton (Austria)*, 28(1): 52 (1988)—Greece.
- erectum*
- subsp. malickyi* H. Teppner in *Phyton (Austria)*, 28(1): 126 (1988)—Greece.
- kaheirei* H. Teppner in *Phyton (Austria)*, 28(1): 116 (1988)—Greece.
- nydeggeri* A. Huber-Morath in *Bauhinia*, 9(1): 39 (1988)—Turkey.
- sangiasense* H. Teppner & G. Iatroú in *Phyton (Austria)*, 27(2): 286 (1987)—Greece.
- stridii* H. Teppner in *Phyton (Austria)*, 28(2): 272 (1988)—Greece.
- volgense* D.N. Dobrochaeva in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1976: 114 (1976 publ. 1977)—U.S.S.R. (European Russia).
- zangezurum* T.N. Popova in *Novosti Sist. Vyssh. Rast.*, 26: 133 (1989), as 'zangezura'—U.S.S.R. (Caucasus).

**OPHIOPOGON** (Convallariac.).

- angustifolius* (Wang & Tang) S.C. Chen in *Acta Phytotax. Sin.*, 26(2): 141 (1988): *O. bockianus* var. *angustifolius*.
- compressus* Y. Wan & C.C. Huang in *Acta Phytotax. Sin.*, 25(5): 400 (1987)—China.
- kradungensis* M.N. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 2 (1990)—Thailand.
- longipedicellatus* Y. Wan & C.C. Huang in *Acta Phytotax. Sin.*, 25(5): 399 (1987)—China.
- lushuiensis* S.C. Chen in *Acta Phytotax. Sin.*, 26(2): 141 (1988)—China.
- multiflorus* Y. Wan in *Guihaia*, 8(3): 235 (1988)—China.
- sinensis* Y. Wan & C.C. Huang in *Acta Phytotax. Sin.*, 25(5): 398 (1987)—China.
- yunnanensis* S.C. Chen in *Acta Phytotax. Sin.*, 26(2): 140 (1988)—China.

**OPHIORRHIZA** (Rubiace.).

- alatiflora* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 62 (1990)—China.
- var. trichoneura* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 63 (1990)—China.
- aureolina* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 34 (1990)—China.
- f. qiongyaensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 36 (1990)—Hainan.
- austroyunnanensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 30 (1990), as 'astroyunnanensis'—China.
- brevidentata* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 32 (1990)—China.
- cana* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 20 (1990)—China.
- carosicaulis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 60 (1990)—China.
- chinensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 70 (1990)—China.
- f. emeiensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 74 (1990)—China.
- chingii* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 65 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- cordata* W.L. Sha ex H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 55 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- crassifolia* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 47 (1990)—China.
- densa* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 57 (1990)—China.
- dulongensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 27 (1990)—China.

**OPHIORRHIZA** :-

- ensifloris* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 22 (1990)—China.
- exigua* (L.) H.S. Lo in *Acta Bot. Yunnanica*, 9(3): 301 (1987): *Geophila exigua*.
- fangdingii* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 40 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- filibracteolata* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 52 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- grandibracteolata* How ex H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 43 (1990)—China.
- hunanica* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 24 (1990)—China.
- laevifolia* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 80 (1990)—Xizang.
- laoshanica* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 65 (1990)—China.
- liangkwanensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 39 (1990)—China.
- longicornis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 57 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- longiflora* How ex H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 70 (1990)—China.
- longipes* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 49 (1990)—China.
- longzhouensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 79 (1990)—China.
- luchuanensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 74 (1990)—China.
- macrantha* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 28 (1990)—China.
- macrodonata* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 25 (1990)—China.
- nandanica* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 63 (1990)—China.
- napoensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 48 (1990)—China.
- nigricans* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 53 (1990)—China.
- paniculiformis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 78 (1990)—China.
- petrophila* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 66 (1990)—China.
- pingbienensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 20 (1990)—China.
- purpurascens* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 39 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- purpureonervis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 42 (1990)—China.
- rarior* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 38 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- repandicalyx* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 79 (1990), contrary to Art. 37.4 ICBN (1988)—China.
- rhodoneura* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 45 (1990)—China.
- rufipilis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 17 (1990)—China.
- rufopunctata* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 15 (1990)—China.
- salicifolia* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 50 (1990)—China.
- wenshanensis* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 17 (1990)—China.
- wui* H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(2): 33 (1990)—China.

**OPHRYS** (Orchidac.).

- aegaea* M. Kalteisen & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 19(4): 918 (1987)—Karpachos.
- subsp. lucis* M. Kalteisen & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 19(4): 922 (1987)—Rhodes.
- ×*aetolica* H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 507 (1986)—Greece. (*O. mammosa* × *oestrifera*).
- ×*agustinii* C.A.J. Kreutz in *Ber. Arbeitskr. Heim. Orch.*, 7(1): 38 (1990)—Spain. (*O. catalaunica* × *sphegodes*).
- ×*alberobellensis* H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 496 (1986)—Italy. (*O. incubacea* × *tarentina*).

## OPHRYS :-

- ×alibertiana C. & A. Alibertis in *Orchidophile*, 86: 83 (1989)—Crete. (O. spruneri × tenthredinifera).
- ×angelensis H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 493 (1986)—Italy. (O. incubacea × promontorii).
- ×antiochiana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 527 (1986)—Turkey. (O. straussii × transhyrcana).
- ×apicula  
nothosubsp. fabrei (Bernard) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 416 (1986): O. × fabrei.
- apifera  
var. fulvofusca M.P. Grasso & A. Scrugli in *Orchidee*, 38(1): 47 (1987)—Sardinia.
- ×apolloniensis H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 475 (1986)—Greece. (O. hebes × oestrifera).
- ×aquilana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 483 (1986)—Italy. (O. holosericea × promontorii).
- archipelagi P. Gözl & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(4): 731 (1986)—Jugoslavia, Italy.
- ×asterusica C. & A. Alibertis in *Orchidophile*, 86: 81 (1989)—Crete. (O. fleischmannii × omegaifera).
- aveyronensis (J.J. Wood) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 329 (1986): O. sphegodes subsp. aveyronensis.
- aymoninii (Breistr.) K.P. Buttler in *Willdenowia*, 16(1): 115 (1986): O. insectifera subsp. aymonii.
- ×azurea H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 516 (1986)—Italy. (O. promontorii × pseudobertolonii).
- balearica P. Delforge in *Mém. Soc. Roy. Bot. Belg.*, 11: 15 (1989 publ. 1990)—Balearic Is.
- basillisa Alibertis & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 22(1): 201 (1990)—Crete.
- ×baumanniana  
nothosubsp. hierapetrae H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 454 (1986)—Crete. (O. doerfleri × sphegodes subsp. cretensis).
- ×bernardii H. Van Looken in *Orchidophile*, 75: 1211 (1987)—France. (O. aveyronensis × scolopax subsp. scolopax).
- bertolonii  
var. bertoloniiiformis M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- var. ferrequinoides M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- ×biancoae P. Medagli, S. d'Emérico & L. Ruggiero in *Orchidophile*, 85: 29 (1989), contrary to Art. H.5.2 ICBN 1988—Italy. (O. garganica × sphegodes subsp. sphegodes).
- bucephala P. Gözl & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(1): 13 (1989)—East Aegean Is.
- ×burnardiana C. & A. Alibertis in *Orchidophile*, 86: 83 (1989)—Crete. (O. cretensis × spruneri).
- ×calabrica H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 523 (1986)—Italy. (O. sphegodes × tarentina).
- ×calenae (O. & E. Danesch) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 513 (1986): O. × philippe nm. calenae.
- ×camarinana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 490 (1986)—Sicily. (O. incubacea × lunulata).
- candica  
subsp. minoa C. & A. Alibertis in *Orchidophile*, 87: 111 (1989)—Crete.
- ×carica H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 458 (1986)—Turkey. (O. ferrum-equinum × holosericea).
- ×cesinensis P. Medagli, S. d'Emérico & L. Ruggiero in *Orchidophile*, 85: 30 (1989), contrary to Art. H.5.2 ICBN 1988—Italy. (O. fusca × lutea subsp. melenae).
- chestermanii (J.J. Wood) P. Gözl & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(1): 115 (1988): O. holoserica subsp. chestermanii.

## OPHRYS :-

- ×chimaera W. Rossi & M. Contorni in *Webbia*, 44(2): 324 (1990)—Italy. (O. bertolonii × fusca).
- ×clapensis M. Balayer de Minden in *Bull. Soc. Bot. France, Lett. Bot.*, 136(2): 158 (1989)—France. (O. bombyliflora × lutea).
- ×cosana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 438 (1986)—Italy. (O. bombyliflora × incubacea).
- ×cosentiana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 406 (1986)—Italy. (O. apulica × holosericea).
- nothosubsp. nociana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 407 (1986)—Italy. (O. apulica × holosericea subsp. parvimaclata).
- ×costei H. Van Looken in *Orchidophile*, 86: 84 (1989)—France. (O. aveyronensis × sphegodes).
- cretensis (Baumann & Künkele) H.F. Paulus in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(4): 855 (1988): O. sphegodes subsp. cretensis.
- ×creutzburgii H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 467 (1986)—Rhodes. (O. fusca × omegaifera).
- ×daunia H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 436 (1986)—Italy. (O. bombyliflora × garganica).
- ×dodonica B. & E. Willing in *Orchidophile*, 72: 1100 (1986)—Greece. (O. helenae × oestrifera).
- ×domus-maria M.P. Grasso in *Orchidee*, 40(3): 102 (1989)—Sardinia. (O. apifera × arachnitiformis).
- ×duvigneaudiana P. & C. Delforge in *Orchidophile*, 78: 1364 (1987)—France. (O. araneola × scolopax).
- ×eliasii  
nothosubsp. conimbricensis (O. & E. Danesch) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 471 (1986): O. × eliasii nm. conimbricensis.
- exaltata  
subsp. archipelagi (Goetz & Reinhard) C. Del Prete in C. Del Prete & G. Tosi, *Orchidee Spontaneae d'Italia*: 37 (1988): O. archipelagi.
- subsp. tyrrhena (Goetz & Reinh.) C. Del Prete in C. Del Prete & G. Tosi, *Orchidee Spontaneae d'Italia*: 36 (1988): O. tyrrhena.
- explanata (Lojacono) P. Delforge in *Mém. Soc. Roy. Bot. Belg.*, 11: 18 (1989 publ. 1990): O. bertolonii var. explanata.
- ×ferruginea W. Rossi & A. Liuti in *Webbia*, 44(2): 326 (1990)—Italy. (O. fusca × holoserica).
- ×ficuzana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 468 (1986)—Sicily. (O. fusca × pallida).
- ×fortosica B. & E. Willing in *Orchidophile*, 72: 1102 (1986)—Greece. (O. ferrum-equinum × helenae).
- ×francinae P. Bianco, P. Medagli, S. D'Emérico & L. Ruggiero in *Webbia*, 42(2): 168 (1988)—Italy. (O. apulica × incubacea).
- fuciflora  
var. apiformoides M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 282 (1986)—France.
- var. carmeloides M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 282 (1986)—France.
- subsp. chestermanii (J.J. Wood) H. Blatt & W. Wirth in *Ber. Arbeitskr. Heim. Orch.*, 7(1): 7 (1990): O. holoserica subsp. chestermanii.
- subsp. heterochila (Renz & Taubenheim) H. Blatt & W. Wirth in *Ber. Arbeitskr. Heim. Orch.*, 7(1): 7 (1990): O. holoserica subsp. heterochila.
- fusca  
var. maculata M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- subsp. minima M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- var. rubescens M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- ×gauthieri  
nothosubsp. fenaroli (Ferlan) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 465 (1986): O. × fenaroli.
- ×gelana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 492 (1986)—Sicily. (O. incubacea × oxyrrhynchos).
- gortynia (Baumann & Künkele) H.F. Paulus in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(4): 855 (1988): O. sphegodes subsp. gortynia.

## OPHRYS :-

- gracilis (Büel & Danesch) P. Englmaier in *Abh. Zool.-Bot. Ges. Osterr.*, 22: 140 (1984): O. fuciflora subsp. gracilis.
- holosericea  
subsp. apulica (O. Danesch & E. Danesch) K.P. Buttler in *Willdenowia*, 16(1): 115 (1986): O. fuciflora subsp. apulica.
- nothosubsp. halicarnassia H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 478 (1986)—Turkey. (O. holosericea subsp. heterochila × subsp. holosericea).
- ×ioanninensis B. & E. Willing in *Orchidophile*, 72: 1100 (1986)—Greece. (O. helenae × mammosa).
- israelitica H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 20(3): 612 (1988)—Israel.
- ×japygia R. Lorenz & C. Gemhardt in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 19(3): 515 (1987)—Italy. (O. garganica × sipontensis).
- ×kastelli  
nothosubsp. antiskariensis C. & A. Alibertis in *Orchidophile*, 86: 79 (1989)—Crete. (O. bombyliflora × cretica subsp. cretica).
- ×kattaviensis A. Riechelmann & M. Schöbinger in *Ber. Arbeitskr. Heim. Orch.*, 7(1): 10 (1990), contrary to Art. H.5.2 ICBN (1988)—Rhodes. (O. holoserica subsp. maxima × oestrifera subsp. oestrifera).
- ×kozanica B. & E. Willing in *Orchidophile*, 72: 1098 (1986)—Greece. (O. mammosa × reinholdii).
- ×laconica H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 426 (1986)—Greece. (O. attica × tenthredinifera).
- lapethica P. Gözl & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(4): 1052 (1989)—Cyprus.
- lesbis P. Gözl & H.R. Reinhard in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(1): 19 (1989)—East Aegean Is.
- ×ligariana H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 457 (1986)—Greece. (O. ferrum-equinum × helenae).
- ×lithinensis C. & A. Alibertis in *Orchidophile*, 86: 81 (1989)—Crete. (O. omegaifera × sitiaca).
- ×littoralis J. & M. Baláz in *Orchidee*, 40(3): 108 (1989)—Jugoslavia. (O. bertolonii × oestrifera subsp. oestrifera).
- lutea  
var. minor (Tod.) C. Raynaud, *Orchid. Maroc*: 16 (1985): Arachnites minor.
- ×lydia H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 511 (1986)—Turkey. (O. mammosa × vernixia).
- nothosubsp. magnessa H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 512 (1986)—Greece. (O. mammosa × vernixia subsp. vernixia).
- ×macchiatii  
nothosubsp. neokelleri (Soó) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 525 (1986): O. × neokelleri.
- ×macrostachys  
nothosubsp. liceana (Renz & Taubenheim) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 443 (1986): O. × liceana.
- nothosubsp. palaestina H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 444 (1986)—Israel. (O. bornmuelleri subsp. bornmuelleri × umbilicata subsp. umbilicata).
- mammosa  
subsp. transhyrcana (Černjak.) K.P. Buttler in *Willdenowia*, 16(1): 115 (1986): O. transhyrcana.
- subsp. transhyrcana (Černjakowska) H.F. Paulus & C. Gack in *Jahresber. Naturwiss. Ver. Wuppertal*, 39: 68 (1986), without basionym page: O. transhyrcana.
- ×manacorensis H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 410 (1986)—Italy. (O. arachnitiformis × garganica).
- ×maremmae  
nothosubsp. loutanensis H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 18(3): 487 (1986)—Rhodes. (O. holosericea subsp. heterochila × tenthredinifera subsp. villosa).



## OPHRYS :-

- nothosubsp. normanii* (J.J. Wood) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 486 (1986): O. × *normanii*.
- × *marmarensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 489 (1986)—Rhodes. (O. holosericea × *umbilicata*).
- maxima* (Fleischmann) H.F. Paulus & C. Gack in Jahresber. Naturwiss. Ver. Wuppertal, 39: 79 (1986): O. *fuciflora* var. *maxima*.
- × *messeniensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 514 (1986)—Greece. (O. oestriifera × *tenthredinifera*).
- nothosubsp. baselicei* R. Lorenz & C. Gemhardt in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 19(3): 516 (1987)—Italy. (O. oestriifera subsp. *oestriifera* × *tenthredinifera* subsp. *tenthredinifera*).
- × *methonensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 422 (1986)—Greece. (O. argolica × *tenthredinifera*).
- minor*
- subsp. galilaea* (Fleischm. & Bornm.) H.F. Paulus & C. Gack in Jahresber. Naturwiss. Ver. Wuppertal, 39: 66 (1986): O. *galilaea*.
- minutula* P. Gözl & H.R. Reinhard in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(4): 1055 (1989)—East Aegean Is.
- × *monopolitana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 430 (1986)—Italy. (O. bertolonii × *tarentina*).
- × *montana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 474 (1986)—Greece. (O. hebes × *mammosa*).
- × *montserratensis*
- nothosubsp. neuruppertii* (A. Camus) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 518 (1986): O. × *neuruppertii*.
- × *moreana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 420 (1986)—Greece. (O. argolica × *ferrum-equinum*).
- × *mulierum* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 508 (1986)—Greece. (O. *mammosa* × *reinholdii*).
- × *necropolitana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 452 (1986)—Sicily. (O. *discors* × *oxyrrhynchos*).
- nervosa* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 814 (1784)—Japan.†
- × *nicosiana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 463 (1986)—Cyprus. (O. *flavomarginata* × *kotschy*).
- oestriifera*
- subsp. abchasica* H. Kumpel in Ber. Arbeitskr. Heim. Orch., 5(1–2): 25 (1988)—U.S.S.R. (Caucasus).
- × *olympica* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 477 (1986)—Greece. (O. *helenae* × *mammosa*).
- × *pano-lefkaron* M. Bourdon in Orchidophile, 71: 1056 (1986)—Cyprus, Rhodes. (O. *iricolor* × *mammosa*).
- × *paphosiana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 500 (1986)—Cyprus. (O. *kotschy* × *umbilicata*).
- × *parenzani* P. Medagli, S. d'Emérico & L. Ruggiero in Orchidophile, 85: 29 (1989)—Italy. (O. *fusca* × *tarentina*).
- × *pauliana* C. & A. Alibertis in Orchidophile, 86: 81 (1989)—Crete. (O. *fleischmannii* × *sitiaca*).
- × *personei*
- nothosubsp. bourlieri* (Maire) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 505 (1986): O. × *bourlieri*.
- × *placotica* B. & E. Willing in Orchidophile, 72: 1102 (1986)—Greece. (O. *attica* × *spruneri*).
- × *plorae* C. & A. Alibertis in Orchidophile, 86: 81 (1989), contrary to Art. H.5.2 ICBN (1988)—Crete. (O. *cretica* subsp. *karpathensis* × *spruneri*).
- provincialis* (Baumann & Künkele) H.F. Paulus in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(4): 855 (1988): O. *sphegodes* subsp. *provincialis*.

## OPHRYS :-

- pseudobertolonii*
- subsp. bertoloniiiformis* (O. & E. Danesch) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 367 (1986): O. *bertoloniiiformis*.
- subsp. catalaunica* (O. & E. Danesch) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 368 (1986): O. *catalaunica*.
- × *pugliana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 481 (1986)—Italy. (O. *holosericea* × *oxyrrhynchos*).
- × *rasettii* W. Rossi & F. Minuttilo in Webbia, 43(2): 351 (1989)—Italy. (O. *lacaitae* × *sphegodes*).
- reinholdii*
- f. albovirescens* B. & E. Willing in Orchidophile, 72: 1099 (1986)—Greece.
- × *russonensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 425 (1986)—Greece. (O. *attica* × *mammosa*).
- × *saratoi*
- nothosubsp. gelmii* (Murr) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 519 (1986): O. × *gelmii*.
- × *scalana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 462 (1986)—Greece. (O. *ferrum-equinum* × *vernixia*).
- × *sicana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 502 (1986)—Sicily. (O. *lunulata* × *oxyrrhynchos*).
- × *sieberi* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 453 (1986)—Crete. (O. *doerfleri* × *mammosa*).
- sipontensis* R. Lorenz & C. Gemhardt in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 19(3): 472 (1987)—Italy.
- sitiaca* H.F. Paulus, C. Alibertis & A. Alibertis in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(4): 839 (1988)—Crete.
- × *sivana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 446 (1986)—Crete. (O. *candica* × *holosericea*).
- × *sommieri*
- nothosubsp. chivotii* D. Tyteca in Orchidophile, 75: 1219 (1987)—Portugal. (O. *bombyliflora* × *tenthredinifera* subsp. *praecox*).
- sphegodes*
- subsp. cretensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 375 (1986)—Crete.
- var. gargaricoides* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 282 (1986)—France.
- subsp. gortynia* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 377 (1986)—Crete.
- subsp. integra* (Moggr. & Rchb. f.) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 380 (1986): O. *insectifera* subsp. *integra*.
- subsp. montenegrina* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(3): 623 (1988)—Yugoslavia.
- subsp. provincialis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(3): 617 (1988)—France.
- var. subaesculapiana* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 282 (1986)—France.
- var. subspruneriana* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 282 (1986)—France.
- var. subtommasiniana* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 282 (1986)—France.
- tenthredinifera*
- f. lutescens* (Batt.) C. Raynaud, Orchid. Maroc: 26 (1985): O. *tenthredinifera* var. *lutescens*.
- subsp. villosa* (Desf.) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 384 (1986): O. *villosa*.
- × *terrae-laboris* W. Rossi & F. Minuttilo in Webbia, 43(2): 352 (1989)—Italy. (O. *promontorii* × *sphegodes*).
- tetraloniae* W. Teschner in Orchidee, 38(5): 223 (1987)—Yugoslavia.
- × *trullana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 472 (1986)—Italy. (O. *gargarica* × *tarentina*).

## OPHRYS :-

- × *turrica* R. Lorenz & C. Gemhardt in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 19(3): 514 (1987)—Italy. (O. *apulica* × *oestriifera*).
- × *tuscanica* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 450 (1986)—Italy. (O. *crabronifera* × *tenthredinifera*).
- umbilicata*
- subsp. rhodia* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 388 (1986)—Rhodes.
- × *vallis-costae* H. Kumpel in Ber. Arbeitskr. Heim. Orch., 5(1–2): 27 (1988)—U.S.S.R. (Caucasus). (O. *apifera* × *oestriifera* subsp. *abchasica*).
- × *venusiana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 528 (1986)—Italy. (O. *tarentina* × *tenthredinifera*).
- vernixia*
- nothosubsp. butleri* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 530 (1986)—Turkey. (O. *vernixia* subsp. *regis-ferdinandii* × subsp. *vernixia*).
- subsp. ciliata* (Biv.) M. Kerguelen in Lejeunia, 120: 135 (1987): O. *ciliata*.
- nothosubsp. innominata* (D. & B. Tyteca) P. Bouillie in Blancoana, 7: 124 (1989): Basionym not stated.
- subsp. lusitanica* (O. & E. Danesch) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 391 (1986): O. *speculum* subsp. *lusitanica*.
- × *vittoriana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 428 (1986)—Sicily. (O. *bertolonii* × *lunulata*).
- × *vogatsica* B. & E. Willing in Orchidophile, 72: 1100 (1986)—Greece. (O. *reinholdii* × *sphegodes*).
- × *warwarensis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 445 (1986)—Crete. (O. *candica* × *heldreichii*).
- × *willingorum* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 18(3): 501 (1986)—Cyprus. (O. *levantina* × *umbilicata*).

## OPITHANDRA (Gesneriac.).

- sect. Briggsioides* W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst., 7(2): 10 (1987).
- sect. Microstigma* W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst., 7(2): 9 (1987).
- sect. Stenosiphon* W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst., 7(2): 9 (1987).
- dinghushanensis* W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst., 7(2): 10 (1987)—China.

## OPIZIA (Gramin.).

- bracteata* R. McVaugh, Fl. Novo-Galiciana, 14: 269 (1983)—Mexico.

## OPLISMENUS (Gramin.).

- burmannii*
- var. nudicaulis* (Vasey) R. McVaugh, Fl. Novo-Galiciana, 14: 274 (1983): O. *humboldtianus* var. *nudicaulis*.
- compositus*
- subsp. patens* (Honda) T. Koyama, Grasses of Japan & Neighbour. Regions: 519 (1987): O. *patens*.
- undulatifolius* (Ard.) Roemer & Schultes, Syst. Veg., 2: 482 (1817): *Panicum undulatifolium*.

## OPUNTIA (Cactac.).

- aggeria* B.E. Ralston & R.A. Hilsenbeck in Madroño, 36(4): 226 (1989 publ. 1990)—U.S.A. (Texas).
- ambigua* Link ex Tenore in Atti 7 Adun. Sci. Ital.: 884 (1846); cf. D.J. Mabberley in Taxon, 30(1): 16 (1981)—Locality not stated.
- articulata* (Pfeiffer) D. Hunt in Bradleya, 5: 93 (1987): *Cereus articulatus*.
- aureispina* (Brack & Heil) D.J. Pinkava & B.D. Parfitt in Sida, 13(2): 128 (1988), without exact basionym page: O. *macrocentra* var. *aureispina*.
- bakeri* J.E. Madsen in Fl. Ecuador, 35(45): 47 (1989)—Ecuador.
- basilaris*
- var. heilii* S.L. Welsh & E. Neese in Great Basin Nat., 43(4): 700 (1983)—U.S.A. (Utah).
- berteri* (Colla) A.E. Hoffmann J., Cactaceas en la flora silvestre de Chile: 244 (1989): *Cactus berteri*.

**OPUNTIA** :-

- chisosensis (Anthony) D.J. Ferguson in *Cact. Succ. J. (U.S.A.)*, 58(3): 124 (1986): O. lindheimeri var. chisosensis.
- chlorotica  
var. gosseliniana (Weber) D.J. Ferguson in *Cact. Succ. J. (U.S.A.)*, 60(4): 159 (1988): O. gosseliniana.
- conoidea (Back.) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 246 (1989), basionym invalid: *Tephrocactus conoideus*.
- echinacea (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 248 (1989): *Tephrocactus echinaceus*.
- engelmannii  
var. flavispina (L. Benson) B.D. Parfitt & D.J. Pinkava in *Madroño*, 35(4): 348 (1988 publ. 1989): O. phaeacantha var. flavispina.
- var. flexospina (Griffiths) B.D. Parfitt & D.J. Pinkava in *Madroño*, 35(4): 348 (1988 publ. 1989): O. flexospina.
- var. lindheimeri (Engelm.) B.D. Parfitt & D.J. Pinkava in *Madroño*, 35(4): 346 (1988 publ. 1989): O. lindheimeri.
- var. linguiformis (Griffiths) B.D. Parfitt & D.J. Pinkava in *Madroño*, 35(4): 347 (1988 publ. 1989): O. linguiformis.
- erinacea  
var. aurea (Baxter) S.L. Welsh in *Great Basin Nat.*, 46(2): 255 (1986): O. aurea.
- estesvii P.J. Braun in *Cact. Succ. J. (U.S.A.)*, 62(4): 165 (1990)—Brazil.
- inamoena  
f. spinigera (Ritter) P.J. Braun & E. Esteves Pereira in *Cact. Succ. J. (U.S.A.)*, 61(6): 272 (1989): *Platyopuntia inamoena* f. spinigera.
- lindheimeri  
var. subarmata (Griff.) J.L. Elizondo & J.A. Wehbe in *Cact. Succ. Mex.*, 31(4): 100 (1986), without basionym ref. & basionym not stated; *et in Cact. Succ. Mex.*, 32(1): 17 (1987): O. subarmata.
- macrocentra  
var. aureispina S. Brack & K.D. Heil in *Cact. Succ. J. (U.S.A.)*, 60(1): 17 (1988)—U.S.A. (Texas).
- rzadowskii L. Scheinvar in *An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 47-53: 123 (1976-82 publ. 1984)—Mexico.
- tunicata  
var. chilensis (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 242 (1989): *Cylindropuntia tunicata* var. chilensis.
- virens Tenore in *Atti 7 Adun. Sci. Ital.*: 886 (1846); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.

**ORBEXILUM** (Legumin.).

- lupinellum (Michx.) D. Isely in *Sida*, 11(4): 432 (1986): *Psoralea lupinella*.
- pedunculatum  
var. eglandulosum (Elliott) D. Isely in *Sida*, 11(4): 432 (1986): *Psoralea eglandulosa*.

**×ORCHIDACTYLA** (Orchidac.).

- aquitaniensis (G. Keller & Jeanjean) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis* × *aquitaniensis*.
- castellanensis M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 283 (1986)—France. (*Dactylorhiza sambucina* var. *laurentina* × *Orchis mascula*).
- kabyliensis (G. Keller) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis kabyliensis*.
- labbei C. Bernard in *Orchidophile*, 83: 155 (1988)—France. (*Dactylorhiza maculata* × *Orchis ustulata*).
- lamarquei (G. Keller & Jeanjean) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis lamarquei*.
- leguei  
subsp. uechtritziana (Hausskn.) Potůček & F. Procházka in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 58 (1972): *Orchis uechtritziana*.
- masteineri (Ciferri & Giacomini) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis masteineri*.
- romanallens (Ciferri & Giacomini) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): *Orchis* × *romanallens*.

**ORCHIS** (Orchidac.).

- ×aurunca W. Rossi & F. Minutillo in *Atti Accad. Naz. Lincei, Rend. Sci. Fis. Mat. Nat.*, 78(5): 1 (1985)—Italy. (O. pauciflora × provincialis).
- ×bassoulsii M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 282 (1986)—France. (O. militaris × *papilionacea*).
- boryi  
var. alba C. & A. Alibertis in *Orchidophile*, 87: 112 (1989)—Crete.
- champagneuxii  
var. mesomelana (Reichenb. f.) D. Tyteca in *Orchidophile*, 70: 997 (1986): O. morio var. mesomelana.
- coriophora  
var. subsancta M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- falcata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 811 (1784)—Japan.†
- ×hermaniana C. & A. Alibertis in *Orchidophile*, 87: 108 (1989)—Crete. (O. anatolica × *tridentata*).
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 811 (1784)—Japan.†
- kuanshanensis S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 495 (1985)—Taiwan.
- ×lauzensis M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 283 (1986)—France. (O. morio × *provincialis*).
- ×mackaensis C.A.J. Kreutz in *Orchideeën*, 51(3): 72 (1989)—Turkey. (O. simia × *stevanii*).
- mascula  
var. bicolor M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- subsp. longibracteoides M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 281 (1986)—France.
- ×menosii C. Bernard & G. Fabre in *Orchidophile*, 78: 1345 (1987)—France. (O. coriophora subsp. *fragrans* × *papilionacea*).
- morio  
subsp. albanica (Gözl & Reinh.) K.P. Buttler in *Willdenowia*, 16(1): 116 (1986): O. albanica.
- olbiensis  
subsp. ichnusae (Corrias) K.P. Buttler in *Willdenowia*, 16(1): 116 (1986): O. mascula subsp. *ichnusae*.
- papilionacea  
subsp. expansa (Tenore) C. Raynaud, *Orchid. Maroc*: 43 (1985): O. expansa.
- subsp. grandiflora (Boiss.) H. Baumann in *Jahresber. Naturwiss. Ver. Wuppertal*, 39: 94 (1986): O. papilionacea var. *grandiflora*.
- subsp. heroica (E.D. Clarke) H. Baumann in *Jahresber. Naturwiss. Ver. Wuppertal*, 39: 95 (1986): O. heroica.
- ×parviflora  
subsp. timbalii (Velenovský) Potůček & F. Procházka in *Jahresber. Naturwiss. Ver. Wuppertal*, 25: 58 (1972): O. timbalii.
- ×penzigiana  
nothosubsp. sardoa A. Scrugli & M.P. Grasso in *Webbia*, 42(2): 192 (1988)—Sardinia. (O. mascula subsp. *ichnusae* × *provincialis*).
- pugeensis K.Y. Lang in *Acta Phytotax. Sin.*, 25(5): 403 (1987)—China.
- quadripunctata  
var. albiflora C. & A. Alibertis in *Orchidophile*, 87: 112 (1989)—Crete.
- saccata  
f. flavescens (Soó) C. Raynaud, *Orchid. Maroc*: 41 (1985): O. saccata lus. *flavescens*.
- ×salkowskiana C. & A. Alibertis in *Orchidophile*, 87: 108 (1989), contrary to Art. H.5.2 ICBN (1988)—Crete. (O. anatolica subsp. *sitiaca* × *collina*).
- ×sarcidani A. Scrugli & M.P. Grasso in *Webbia*, 40(2): 290 (1986)—Sardinia. (O. laxiflora × *longicornu*).
- sichuanica K.Y. Lang in *Acta Phytotax. Sin.*, 25(5): 401 (1987)—China.
- ×suckowii H. Kumpel in *Feddes Repert.*, 99(3-4): 94 (1988)—U.S.S.R. (Caucasus). (O. maxima × *punctulata*).
- taitungensis S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 497 (1985)—Taiwan.
- var. alboblorens S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 498 (1985), as 'albo-florens'—Taiwan.

**ORCHIS** :-

- ustulata  
var. aestivalis H. Kumpel in *Haussknechtia*, Mitt. Thüring. Bot. Ges., 4: 23 (1988)—Germany.

**×ORCHISERAPIAS** (Orchidac.).

- nelsoniana P. Bianco, S. D'Emérico, P. Medagli & L. Ruggiero in *Webbia*, 44(2): 319 (1990)—Italy. (*Orchis collina* × *Serapias parviflora*).
- rousii (Dupuy) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 840 (1989): *Serapias* × *rousii*.
- timbalii (K. Richt.) H. Baumann & S. Künkele in *Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 839 (1989): *Serapias* × *timbalii*.

**OREOBOLOPSIS** T. Koyama & E.R. Guaglianone in *Darwiniana*, 28(1-4): 79 (1987 publ. 1988). **CYPERACEAE**.

- tepallifera T. Koyama & E.R. Guaglianone in *Darwiniana*, 28(1-4): 80 (1987 publ. 1988)—Bolivia.

**OREOBOLUS** (Cyperac.).

- cleefii L.E. Mora-Osejo, *Estud. Morfol. Autoecol. Sist. Angiosperm. (Acad. Colomb. Cienc., Ser. J.A. Lleras, 1)*: 165 (1987)—Colombia, Ecuador.
- goeppingeri  
var. sumapacii L.E. Mora-Osejo, *Estud. Morfol. Autoecol. Sist. Angiosperm. (Acad. Colomb. Cienc., Ser. J.A. Lleras, 1)*: 180 (1987)—Colombia.
- var. tuquerrensii L.E. Mora-Osejo, *Estud. Morfol. Autoecol. Sist. Angiosperm. (Acad. Colomb. Cienc., Ser. J.A. Lleras, 1)*: 181 (1987)—Colombia.
- obtusangulus  
subsp. unispicus O. Seberg in *Bot. J. Linn. Soc.*, 96(2): 163 (1988)—Ecuador, Colombia.
- oxycarpus  
subsp. brownii O. Seberg in *Bot. J. Linn. Soc.*, 96(2): 178 (1988)—Tasmania.
- pumilio  
subsp. clemensiae (G. Kükenthal) O. Seberg in *Bot. J. Linn. Soc.*, 96(2): 170 (1988): O. clemensiae.

**OREOCALAMUS** (Gramin.).

- armata (Gamble) T.H. Wen in *J. Bamboo Res.*, 5(2): 22 (1986): *Arundinaria armata*.

**OREOCEREUS** (Cactac.).

- australis (Ritter) A.E. Hoffmann J., *Cactaceas en la flora silvestre de Chile*: 80 (1989): *Arequipa australis*.
- hempelianus (Guerke) D. Hunt in *Bradleya*, 5: 93 (1987): *Echinopsis hempelianus*.

**OREOCHARIS** (Gesneriac.).

- sect. *Orthoanthera* K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 281 (1987).
- sect. *Platyanthera* K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 289 (1987).
- argyreia Chun ex K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 283 (1987)—China.
- var. angustifolia K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 285 (1987)—China.
- auricula  
var. denticulata K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 276 (1987)—China.
- dasyantha  
var. ferruginosa K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 283 (1987)—Hainan.
- elliptica  
var. parvifolia W.T. Wang & K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 282 (1987)—China.
- magnidens Chun ex K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 276 (1987)—China.
- rotundifolia K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 280 (1987)—China.
- tubiflora K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 287 (1987)—China.
- xiangguensis W.T. Wang & K.Y. Pan in *Acta Phytotax. Sin.*, 25(4): 285 (1987)—China.

**OREOCNIDE** (Urticac.).

- integrifolia  
var. sylvatica (Hassk.) V. Chithra in *A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 246 (1987): *Boehmeria sylvatica*.

**OREOGEUM** (Ser.) E.I. Golubkova in Bot. Zhurn., 72(6): 772 (1987): Geum sect. Oreogenum (Rosac.). bulgaricum (Panc.) E.I. Golubkova in Bot. Zhurn., 72(6): 774 (1987): Geum bulgaricum. montanum (L.) E.I. Golubkova in Bot. Zhurn., 72(6): 774 (1987): Geum montanum.

**OREOPANAX** (Araliac.).

compactum M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 27 (1989)—Costa Rica, Panama.  
nicaraguensis M.J. Cannon & J.F.M. Cannon in Ann. Missouri Bot. Gard., 73(2): 482 (1986)—Nicaragua, Costa Rica, Panama.  
spathulatus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 29 (1989)—Panama.  
striatus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 27 (1989)—Panama, Costa Rica.  
superoerstedianus M.J. & J.F.M. Cannon in Bull. Brit. Mus. (Nat. Hist.), Bot., 19: 24 (1989)—Panama.

**OREORCHIS** (Orchidac.).

patens  
var. gracillima (Hayata) S.S. Ying in Quart. J. Chinese Forest., 21(2): 116 (1988): O. gracilis var. gracillima.

**OREOSCHIMPERELLA** (Umbellif.).

arabiae-felicitis (C.C. Townsend) C.C. Townsend in Kew Bull., 41(2): 456 (1986): Trachyspermum arabiae-felicitis.  
var. laevis C.C. Townsend in Kew Bull., 41(2): 456 (1986)—Saudi Arabia.

**OREOSEDUM** (Crassulac.).

album  
var. micranthum (de Candolle) P. Heath in Sussex Cactus & Succ. Yearbook, 1987 (ed. P. Heath): 55 (1987): Sedum album var. micranthum.  
subsp. micranthum (DC.) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum micranthum.  
hirsutum  
subsp. baeticum (Rouy) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum hirsutum subsp. baeticum.  
pedicellatum  
subsp. lusitanicum (Mariz) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum pedicellatum var. lusitanicum.  
villosum  
subsp. aristatum (Emberger & Maire) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum villosum var. aristatum.  
subsp. glandulosum (Moris) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum glandulosum.  
subsp. nevadense (Cosson) M. Velayos in An. Jard. Bot. Madrid, 45(2): 584 (1988 publ. 1989): Sedum nevadense.

**OREOTHAMNUS** M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), without latin descr. or type. EPACRIDACEAE.

amabilis (Brongn. & Gris) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), generic name not validly publ.: Dracophyllum amabile.  
cosmelioides (Panch. ex Oliver) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 5: 76 (1989), generic name not validly publ.: Dracophyllum cosmelioides.  
ramosus (Panch. ex Brongn. & Gris) M.G. Baumann-Bodenheim, Syst. Fl. Neu-Caledonien, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et Syst. Fl. Neu-Caledonien, 5: 76, 97 (May 1989), with basionym ref., generic name not validly publ.: Dracophyllum ramosum.

**ORIGANUM** (Labiata.).

×apalii  
nothosubsp. majoricum (Cambess.) C.C. Xifreda in Taxon, 39(3): 524 (1990): O. × majoricum.  
compactum  
var. hirsutoides O. Socorro & M.C. Espinar in Lagasalia, 15(1): 6 (1988)—Morocco.

**ORIGANUM** :—

petraeum A. Danin in Willdenowia, 19(2): 401 (1990)—Jordan.  
punonense A. Danin in Willdenowia, 19(2): 402 (1990)—Jordan.

**ORITROPHIUM** (Compos.).

callacallense J. Cuatrecasas in Fontqueria, 8: 9 (1985)—Peru.  
marahuacense J. Steyermark & B. Maguire in Acta Bot. Venezuel., 14(3): 28 (1984)—Venezuela.  
ollgaardii J. Cuatrecasas in Fontqueria, 8: 11 (1985)—Ecuador.

**ORIXA** (Rutac.).

racemosa Z.M. Tan in Bull. Bot. Res. North-East. Forest. Inst., 9(2): 44 (1989)—China.  
subcoriacea Z.M. Tan in Bull. Bot. Res. North-East. Forest. Inst., 9(2): 45 (1989)—China.

**ORMOCARPUM** (Legumin.).

gillettii M. Thulin in Nordic J. Bot., 10(4): 433 (1990)—Somali Republic.  
rectangulare M. Thulin in Nordic J. Bot., 10(4): 435 (1990)—Somali Republic.

**ORMOSIA** (Legumin.).

chevalieri C. Niyomdham in Fl. Cambodge, Laos & Vietnam, 23: 27 (1987)—Vietnam, Cambodia.  
laosensis C. Niyomdham in Fl. Cambodge, Laos & Vietnam, 23: 36 (1987)—Laos, Vietnam.  
poilanei C. Niyomdham in Fl. Cambodge, Laos & Vietnam, 23: 42 (1987)—Vietnam.

**ORNICHIA** J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(2): 196 (1986). GENTIANACEAE.

lancifolia (Baker) J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(2): 198 (1986): Chironia lancifolia.  
madagascariensis (Baker) J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(2): 202 (1986): Chironia madagascariensis.  
subsp. pubescens (Baker) J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(2): 205 (1986): Chironia pubescens.  
trinervis (Desr.) J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(2): 200 (1986): Lisianthus trinervis.

**ORNITHOCEPHALUS** (Orchidac.).

biloborostratus G.A. Salazar Chávez & R. González Tamayo in Orquídea (México), 12(1): 88 (1990)—Mexico.  
suarezii C.H. Dodson in Ic. Pl. Trop., Ser. 2, 6: t. 564 (1989)—Ecuador.  
vasquezii C.H. Dodson in Ic. Pl. Trop., Ser. 2, 3: t. 272 (1989)—Bolivia.

**ORNITHOGALUM** (Hyacinthac.).

byzantinum Strangew. ex Ten., Cat. Ort. Bot. Nap.: 51 (1845); cf. D.J. Mabberley in Taxon, 32(1): 85 (1983)—Locality not stated.  
dalmaticum F. Speta in Phytion (Austria), 30(1): 129 (1990), without clear indication of holotype—Yugoslavia.  
dictaeum T. Landström, Species of Ornithogalum L. subg. Ornithogalum (Hyacinthaceae) in Greece: 5 (1989), name not considered as valid by author—Crete.  
subsp. naxense T. Landström, Species of Ornithogalum L. subg. Ornithogalum (Hyacinthaceae) in Greece: 7 (1989), name not considered as valid by author—Greece.  
euxinum F. Speta in Candollea, 45(2): 448 (1990), nom. nov.: O. byzantinum Azn.  
var. proliferum F. Speta in Candollea, 45(2): 449, 456 (1990), as 'O. byzantinum var. proliferum'—Turkey.  
gorenflotii (Moret) F. Speta in Phytion (Austria), 30(1): 151 (1990): O. kochii subsp. gorenflotii.  
hygrophilum O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 45(2): 195 (1988 publ. 1989)—South Africa (Cape Province).  
japonicum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 328 (1784)—Japan.†  
joschtiae F. Speta in Phytion (Austria), 29(1): 76 (1989)—Turkey.

**ORNITHOGALUM** :—

kochii  
subsp. gorenflotii J. Moret in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(2): 191 (1987)—Morocco.  
neurostegium  
subsp. eigii (Feinbr.) N. Feinbrun-Dothan, Fl. Palaestina, 4: 55 (1986): O. eigii.  
ocellatum F. Speta in Bot. Jahrb., 112(1): 36 (1990)—U.S.S.R. (Caucasus).  
sorgerae H. Wittmann in Stapfia, 13: 80 (1985)—Turkey.  
spetae H. Wittmann in Stapfia, 13: 62 (1985)—Greece.  
televrinum F. Speta in Phytion (Austria), 30(1): 133 (1990), without clear indication of holotype—Yugoslavia.

**ORNITHOPUS** (Legumin.).

coronatus (L.) Hornem., Hort. Hafn.: 696 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla coronata.  
creticus (L.) Hornem., Hort. Hafn.: 697 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla cretica.  
glauca (L.) Hornem., Hort. Hafn.: 696 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Basionym not stated.  
juncea (L.) Hornem., Hort. Hafn.: 696 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla juncea.  
minimus (L.) Hornem., Hort. Hafn.: 696 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla minima.  
sativus  
var. macrorrhynchus (Willk.) M. Alsina Aser in Taxon, 36(3): 646 (1987): O. roseus var. macrorrhynchus.  
subsp. roseus (Duf.) M. Alsina Aser in Taxon, 36(3): 645 (1987): O. roseus.  
valentinus (L.) Hornem., Hort. Hafn.: 696 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla valentina.  
varius (L.) Hornem., Hort. Hafn.: 697 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984): Coronilla varia.

**OROBANCHE** (Scrophulariac.).

baumanniorum W. Greuter in Willdenowia, 16(2): 448 (1987)—Greece.  
crenata  
var. callieri N.N. Tsvelev in Novosti Sist. Vyssh. Rast., 23: 262 (1986)—U.S.S.R. (Crimea).  
hirtiflora (Reut.) N.N. Tsvelev in Fl. Azerbaidzhana, 7: 569 (1957): Phelipaea hirtiflora.  
hohenackeri (Reut.) N.N. Tsvelev in Fl. Azerbaidzhana, 7: 571 (1957): Phelipaea hohenackeri.  
iberica (G. Beck) N.N. Tsvelev in Fl. Azerbaidzhana, 7: 566 (1957): O. purpurea var. iberica.  
lanuginosa (C.A. Meyer) W. Greuter & Burdet in Willdenowia, 19(1): 37 (1989): Phelipaea lanuginosa.  
minor  
var. maritima (Pugsley) F.J. Rumsey & S.L. Jury in Watsonia, 17(4): 444 (1989): O. maritima.  
septemloba (G. Beck) N.N. Tsvelev in Fl. Azerbaidzhana, 7: 568 (1957): O. oxyloba f. septemloba.  
sinensis  
var. cyanescens (H. Smith) Z.Y. Zhang in Acta Phytotax. Sin., 26(5): 395 (1988): O. cyanescens.

**ORONTIUM** (Arac.).

japonicum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 340 (1784)—Japan.†

**OROPHEA** (Annonac.).

subgen. Sphaerocarpon P.J.A. Kessler in Blumea, 33(1): 13 (1988).  
alba P.J.A. Kessler in Blumea, 33(1): 52 (1988)—Borneo (Sabah).  
chrysantha P.J.A. Kessler in Blumea, 33(1): 35 (1988)—Malaya.  
chlorantha P.J.A. Kessler in Blumea, 33(1): 35 (1988)—Java.  
clemensiana P.J.A. Kessler in Blumea, 33(1): 45 (1988)—Borneo (Sarawak).

**OROPHEA** :-

- flagellaris P.J.A. Kessler in *Blumea*, 33(1): 38 (1988)—Borneo (Kalimantan).  
 kerrii P.J.A. Kessler in *Blumea*, 33(1): 59 (1988)—Thailand.  
 kostermansiana P.J.A. Kessler in *Blumea*, 33(1): 55 (1988)—Borneo (Sarawak).  
 leuseri P.J.A. Kessler in *Blumea*, 34(2): 507 (1990)—Sumatra.  
 malabarica N. Sasidharan & V.V. Sivarajan in *Blumea*, 35(1): 269 (1990)—India.  
 malayana P.J.A. Kessler in *Blumea*, 34(2): 509 (1990)—Malaya.  
 megalophylla P.J.A. Kessler in *Blumea*, 33(1): 52 (1988)—Philippine Is.  
 merrillii P.J.A. Kessler in *Blumea*, 33(1): 33 (1988)—Philippine Is.  
 rubra P.J.A. Kessler in *Blumea*, 33(1): 65 (1988)—Borneo (Kalimantan).  
 sarawakensis P.J.A. Kessler in *Blumea*, 34(2): 507 (1990)—Borneo (Sarawak).  
 sericea P.J.A. Kessler in *Blumea*, 33(1): 49 (1988)—Philippine Is.

**OROSTACHYS** (Crassulac.).

- fimbriatus  
   *var. grandiflorus* F.Z. Li & X.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 74 (1989)—China.  
   *var. shandongensis* F.Z. Li & X.D. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 73 (1989)—China.  
 malacophyllus  
   *subsp. lioutchenngoi* H. Ohba in *J. Jap. Bot.*, 65(7): 198 (1990)—China.  
 umbilicus (L.) Hort. Monac. ex Schrank & Mart., *Hort. Reg. Monac.*: 132 (1829); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): Basionym not stated.

**OROYA** (Cactac.).

- peruviana  
   *var. baumanii* (Knize) Slaba in *Kaktusy*, 21(1): 10 (1985); cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. baumanii.  
   *var. citriflora* (Knize) Slaba in *Kaktusy*, 21(1): 9 (1985); cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. gibbosa var. citriflora.  
   *var. depressa* (Rauh & Backeb.) Slaba in *Kaktusy*, 21(1): 9 (1985); cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. neoperuviana var. depressa.  
   *var. neoperuviana* (Backeb.) Slaba in *Kaktusy*, 21(1): 7 (1985); cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. neoperuviana.  
 subocculta  
   *var. laxiareolata* (Rauh & Backeb.) Slaba in *Kaktusy*, 21(2): 34 (1985); cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. laxiareolata.  
   *var. pluricentralis* (Backeb.) Slaba in *Kaktusy*, 21(2): 34 (1985), basionym not validly publ.; cf. *Rept. Pl. Succ. (I.O.S.)*, 36: 8 (1985 publ. 1986): O. laxiareolata var. pluricentralis.

**ORTGIESIA** (Bromeliac.).

- alegrensis (Weber) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea alegrensis.  
 apocalyptica (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea apocalyptica.  
 bicolor (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea bicolor.  
 blumenavii (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea blumenavii.  
   *var. alba* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea blumenavii var. alba.  
 burle-marxii (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea burle-marxii.  
 calyculata (E. Morren) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Hoplophytum calyculatum.  
 candida (E. Morren ex Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea candida.

**ORTGIESIA** :-

- caudata (Lindman) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea caudata.  
   *f. albiflora* (Weber & Roeth) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea caudata f. albiflora.  
 coelestis (K. Koch) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Hoplophytum coeleste.  
   *var. acutifolia* (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea coelestis var. acutifolia.  
   *var. albomarginata* (M.B. Foster) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea coelestis var. albo-marginata.  
 cylindrata (Lindman) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea cylindrata.  
 gamosepala (Wittmack) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea gamosepala.  
   *var. nivea* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea gamosepala var. nivea.  
 gracilis (Lindman) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 72 (1989): Aechmea gracilis.  
 guaratubensis (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea guaratubensis.  
 kertesziae (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea kertesziae.  
   *var. viridiaurata* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea kertesziae var. viridi-aurata.  
 lindenii (E. Morren) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Hoplophytum lindenii.  
   *var. makoyana* (Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea lindenii var. makoyana.  
 lymanii (Weber) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea lymanii.  
 organensis (Wawra) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea organensis.  
 pimentivelosii (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea pimentivelosii.  
   *var. glabra* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea pimentivelosii var. glabra.  
 recurvata (Klotzsch) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Macrochordium recurvatum.  
   *var. benrathii* (Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea benrathii.  
   *var. ortgiesii* (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea ortgiesii.  
 seideliana (Weber) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea seideliana.  
 winkleri (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989): Aechmea winkleri.

**ORTHAEA** (Ericac.).

- subgen. Lysiclesia* (A.C. Smith) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): gen. Lysiclesia.  
 brachysiphon (Sleumer) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): Empedoclesia brachysiphon.  
 caudata (A.C. Smith) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): Lysiclesia caudata.  
 coriacea J.L. Luteyn in *Nordic J. Bot.*, 7(1): 36 (1987)—Ecuador.  
 glandulifera J.L. Luteyn in *Nordic J. Bot.*, 7(1): 34 (1987)—Colombia.  
 minor (A.C. Smith) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): Lysiclesia minor.  
 oedipus J.L. Luteyn in *Nordic J. Bot.*, 7(1): 36 (1987)—Colombia.  
 panamensis (Luteyn & Wilbur) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): Lysiclesia panamensis.  
 paniculata J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987)—Colombia.  
 stipitata (Luteyn) J.L. Luteyn in *Nordic J. Bot.*, 7(1): 33 (1987): Empedoclesia stipitata.

**ORTHILIA** (Ericac.).

- obtusata  
   *var. xizangensis* Y.L. Chou in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 145 (1986)—Xizang.

**ORTHOCERAS** (Orchidac.).

- novae-zeelandiae (A. Rich.) M.A. Clements, D. Jones & Molloy in *Austral. Orchid Res.*, 1: 100 (1989): Diuris novae-zeelandiae.

**ORTHOPHYTUM** (Bromeliac.).

- alvimii W. Weber in *Feddes Repert.*, 97(3-4): 126 (1986)—Brazil.  
 disjunctum  
   *var. angustobracteatum* W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 56 (1986)—Brazil.  
   *var. striatum* W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 90 (1987)—Brazil.  
   *var. variegatum* W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 58 (1986)—Brazil.  
   *var. viridiflorum* W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 60 (1986)—Brazil.  
 supthutii E. Gross & W. Barthlott in *J. Bromeliad Soc.*, 40(5): 217 (1990), without latin descr.—Brazil.

**ORTHOPICHONIA** (Apocynac.).

- seretii (De Wild.) G.J.A. Vonk in *Wageningen Agric. Univ. Pap.*, 89(4): 43 (1989): Clitandra seretii.  
 visciflua (K. Schum. ex Hall.) G.J.A. Vonk in *Wageningen Agric. Univ. Pap.*, 89(4): 46 (1989): Clitandra visciflua.

**ORTHOPOGON** (Gramin.).

- hirtellus (L.) R. Br. ex Sweet, *Hort. Suburb. Lond.*: 19 (June-July 1818); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.

**ORTHORAPHIUM** (Gramin.).

- coreanum  
   *subsp. kengii* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 519 (1987): Achnatherum coreanum var. kengii.

**ORYZA** (Gramin.).

- indandamanica J.L. Ellis in *Bull. Bot. Surv. India*, 27(1-4): 225 (1985 publ. 1987)—Andaman Is.  
 meyeriana  
   *var. granulata* (Watt) H. Duistermaat in *Blumea*, 32(1): 185 (1987): O. granulata.  
 rhizomatis D.A. Vaughan in *Bot. J. Linn. Soc.*, 103(2): 160 (1990)—Sri Lanka.

**ORYZOPSIS** (Gramin.).

- macrospicula P.C. Kuo & Z.L. Wu in *Fl. Xizangica*, 5: 246 (1987)—Xizang.

**OSBECKIA** (Melastomatac.).

- darjeelingensis G.S. Giri & M.P. Nayar in *Bull. Bot. Surv. India*, 25(1-4): 241 (1983 publ. 1985)—India, Sikkim.  
 gracilis  
   *var. anamalayana* (Giri & Nayar) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 170 (1990): O. lineolata var. anamalayana.  
 lineolata  
   *var. anamalayana* G.S. Giri & M.P. Nayar in *Bull. Bot. Surv. India*, 25(1-4): 244 (1983 publ. 1985)—India.  
 mehrana G.S. Giri & M.P. Nayar in *Kew Bull.*, 41(2): 429 (1986)—India.  
 saxatilis (Dennst.) C.R. Suresh in *D.H. Nicolson, C.R. Suresh & K.S. Manilal, Interpret. Van Rhee de's Hort. Malab.*: 176 (1988): Melastoma saxatile.

**OSBERTIA** (Compos.).

- chihuahuana B.L. Turner & S. Sundberg in *Pl. Syst. Evol.*, 151(3-4): 233 (1986)—Mexico.

**OSMANTHUS** (Oleac.).

- gracilinervis Chia ex R.L. Lu in *Acta Phytotax. Sin.*, 27(1): 71 (1989)—China.  
 lipingensis D.J. Liu in *Acta Bot. Yunnanica*, 10(1): 121 (1988)—China.  
 marginatus  
   *var. longissimus* (H.T. Chang) R.L. Lu in *Acta Phytotax. Sin.*, 27(1): 72 (1989): O. longissimus.



**OSMANTHUS** :-

*var. pachyphyllus* (H.T. Chang) R.L. Lu in *Acta Phytotax. Sin.*, 27(1): 73 (1989): O. pachyphyllus.

**OSSAEA** (Melastomataceae).

*woodsii* W.S. Judd & J.D. Skean in *Bull. Florida State Mus., Biol. Sci.*, 32(1): 141 (1987)—Hispaniola (Haiti).

**OSSICULUM** P.J. Cribb & F.M. van der Laan in *Kew Bull.*, 41(4): 823 (1986). ORCHIDACEAE.

*aurantiacum* P.J. Cribb & F.M. van der Laan in *Kew Bull.*, 41(4): 824 (1986)—Cameroun.

**OSTERICUM** (Umbellif.).

*citriodorum* (Hance) R.H. Shan & C.Q. Yuan in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 3 (1986): *Angelica citriodora*.

*maximowiczii*

*var. alpinum* R.H. Shan & C.Q. Yuan in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 3 (1986)—China.

*var. filisetum* (Chu) R.H. Shan & C.Q. Yuan in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 3 (1986): O. filisetum.

*scaberulum* (Franch.) R.H. Shan & C.Q. Yuan in *Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 3 (1986): *Angelica scaberula*.

**OSTODES** (Euphorbiac.).

*paniculata*

*var. katherinae* (Pax) T. Chakrabarty & N.P. Balakrishnan in *Bull. Bot. Surv. India*, 27(1-4): 260 (1985 publ. 1987): O. katherinae.

*var. thyrsoantha* (Pax) T. Chakrabarty & N.P. Balakrishnan in *Bull. Bot. Surv. India*, 27(1-4): 260 (1985 publ. 1987): O. thyrsoanthus.

**OSYRIS** (Santalac.).

*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 881 (1784)—Japan.†

*wightiana*

*var. rotundifolia* (Tam) P.C. Tam in *Fl. Reipubl. Popul. Sin.*, 24: 64 (1988): O. arborea *var. rotundifolia*.

*var. stipitata* (Lecomte) P.C. Tam in *Fl. Reipubl. Popul. Sin.*, 24: 64 (1988): O. arborea *var. stipitata*.

**OTATEA** (Gramin.).

*fimbriata* Soderstrom ex R. McVaugh, *Fl. Novogaliciana*, 14: 280 (1983)—Mexico.

**OTHOLOBIUM** (Legumin.).

*acuminatum* (Lam.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea acuminata*.

*argenteum* (Thunb.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea argentea*.

*bolusii* (Forbes) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea bolusii*.

*bowianum* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea bowiana*.

*bracteolatum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea bracteolata*.

*candicans* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea candicans*.

*carneum* (E. Mey.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea carnea*.

*decumbens* (Ait.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea decumbens*.

*foliosum* (Oliv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 2 (1986): *Psoralea foliosa*.

*fruticans* (L.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Trifolium fruticans*.

*fumeum* C.H. Stirton in *S. Afr. J. Bot.*, 56(3): 336 (1990)—South Africa (Natal).

*hamatum* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea hamata*.

*heterosepalum* (Fourcade) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea heterosepala*.

*hirtum* (L.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea hirta*.

*macradenium* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea macradenia*.

*mundianum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea mundiana*.

**OTHOLOBIUM** :-

*nigricans* C.H. Stirton in *S. Afr. J. Bot.*, 56(3): 338 (1990)—South Africa (Natal, Transvaal), Swaziland.

*obliquum* (E. Mey.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea obliqua*.

*parviflorum* (E. Mey.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea parviflora*.

*polyphyllum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea polyphylla*.

*polystictum* (Benth. ex Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea polysticta*.

*racemosum* (Thunb.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 3 (1986): *Psoralea racemosa*.

*rotundifolium* (L.f.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea rotundifolia*.

*sericeum* (Poir.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea sericea*.

*spicatum* (L.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea spicata*.

*stachyerum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea stachyera*.

*striatum* (Thunb.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea striata*.

*swartbergense* C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986)—South Africa (Cape Province).

*thomii* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea thomii*.

*trianthum* (E. Mey.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea triantha*.

*uncinatum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea uncinata*.

*venustum* (Eckl. & Zeyh.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea venusta*.

*wilmsii* (Harms) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea wilmsii*.

*zeyheri* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(1): 4 (1986): *Psoralea zeyheri*.

**OTHONNA** (Compos.).

*armiana* E.J. van Jaarsveld in *S. Afr. J. Bot.*, 52(6): 569 (1986)—South Africa (Cape Province).

*gregorii* (F. Muell.) C. Jeffrey in *Kew Bull.*, 41(4): 876 (1986): *Senecio gregorii*.

*schaeferi* Muschler ex K. Dinter in *Fedde Repert.*, 20: 316 (1924), without descr.—Namibia.

*surculosa* Muschler ex K. Dinter in *Fedde Repert.*, 20: 316 (1924), without descr.—Namibia.

*torulosa* Muschler ex K. Dinter in *Fedde Repert.*, 20: 316 (1924), without descr.—Namibia.

**OTITES** (Caryophyllac.).

*sect. Balcanosilene* (Sourková) A.G. Devyatov in *Novosti Sist. Vyssh. Rast.*, 24: 88 (1987): *Silene* *sect. Balcanosilene*.

*ser. Borysthenicae* (Sourková) A.G. Devyatov in *Novosti Sist. Vyssh. Rast.*, 24: 93 (1987): *Silene* *ser. Borysthenicae*.

*ser. Effusae* (Sourková) A.G. Devyatov in *Novosti Sist. Vyssh. Rast.*, 24: 92 (1987): *Silene* *ser. Effusae*.

*ser. Macrocarpae* (Schischk. ex Sourková) A.G. Devyatov in *Novosti Sist. Vyssh. Rast.*, 24: 88 (1987): *Silene* *ser. Macrocarpae*.

*cuneifolia*

*subsp. arenaria* (Podp.) J. Holub in *Preslia*, 58(4): 302 (1986): *Silene pseudo-otites* *var. arenaria*.

*muradicus* (Schischk.) A.G. Devyatov in *Novosti Sist. Vyssh. Rast.*, 24: 89 (1987): *Silene muradica*.

*velebitica* (Degen) J. Holub in *Preslia*, 58(4): 302 (1986): *Silene otites* *subsp. velebitica*.

**OTOCHILUS** (Orchidac.).

*lancilabius* G. Seidenfaden in *Op. Bot.*, 89: 94 (1986)—Sikkim, Bhutan, India, Nepal, Laos.†

*pseudoporrectus* Seidenf. ex L.V. Auer'yanov in *Bot. Zhurn.*, 73(3): 432 (1988)—Vietnam.

**OTOPAPPUS** (Compos.).

*pittieri* (Greenm.) B.L. Turner in *Phytologia*, 69(1): 15 (1990): *Zexmenia pittieri*.

**OTTELIA** (Hydrocharitac.).

*emersa* Z.C. Zhao & R.L. Luo in *J. Wuhan Bot. Res.*, 5(4): 339 (1987)—China.

**OTTONIA** (Piperac.).

*glaucescens* (Jacq. f.) Endl., *Cat. Horti Vindob.*, 1: 225 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 435 (1984): *Basionym* not stated.

*plantaginea* (Lam.) Endl., *Cat. Horti Vindob.*, 1: 225 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 435 (1984): *Basionym* not stated.

*villosa*

*var. minensis* E.F. Guimarães in *Napaea, Rev. Bot.*, 5: 13 (1988)—Brazil.

**OURATEA** (Ochnac.).

*sect. Cardiocarpae* (Engler) C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 55 (1988): O. *ser. Cardiocarpae*.

*sect. Kaieuteuria* (Dwyer) C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 50 (1988): *gen. Kaieuteuria*.

*sect. Ouratella* (Tieghem) C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 61 (1988): *gen. Ouratella*.

*sect. Persistens* C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 59 (1988).

*sect. Polyouratea* (Tieghem) C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 55 (1988): *gen. Polyouratea*.

*articulata* C. Sastre in *Phytologia*, 64(4): 247 (1988)—Venezuela.

*asisae* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 62 (1989)—Venezuela.

*ayacuchae* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 62 (1989)—Venezuela.

*bipartita* C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 420 (1986 publ. 1987)—Guyana.

*brevicalyx* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 62 (1989)—Venezuela.

*brevipedicellata* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 64 (1989)—Venezuela.

*brevipes* (van Tieghem) C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 420 (1986 publ. 1987): *Cercouratea brevipes*.

*cerebroidea* C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 413 (1986 publ. 1987)—French Guiana, Guyana, Brazil.

*chaffanjonii* (van Tieghem) C. Sastre in *Ernstia*, 56: 23 (1989): *Cercouratea chaffanjonii*.

*chocoensis* C. Sastre in *Mutisia*, 68: 8 (1988)—Colombia.

*clarkii* C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 10(1): 51 (1988)—Venezuela.

*croizatii* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 65 (1989)—Venezuela.

*culminicola* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 65 (1989)—Venezuela.

*davidsonii* C. Sastre in *Phytologia*, 64(5): 365 (1988)—Venezuela.

*deminuta* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 66 (1989)—Venezuela.

*discophora*

*subsp. pervenulosa* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 67 (1989)—Venezuela.

*evoluta* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 67 (1989)—Venezuela.

*fasciculata* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 68 (1989)—Guyana.

*francinae* C. Sastre in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 417 (1986 publ. 1987), as 'francinae'—French Guiana.

*gillyana*

*subsp. pachypoda* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 71 (1989)—Guyana, Venezuela.

*guaiquinimensis* C. Sastre in *Phytologia*, 64(5): 365 (1988)—Venezuela.

*huberi* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 74 (1989)—Venezuela.

*inconformis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 75 (1989)—Venezuela.

*kanariensis* C. Sastre in *Caldasia*, 15(71-75): 187 (1986)—Colombia.

*liesneri* C. Sastre in *Phytologia*, 64(5): 366 (1988), as 'liesnerii'—Venezuela.

*longistyla* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 78 (1989)—Venezuela.

**OURATEA** :-

- maasiorum C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 419 (1986 publ. 1987), as 'maasorum'—Guyana.
- macrocarpa C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(4): 414 (1986 publ. 1987)—French Guiana, Guyana, Surinam.
- macurucensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 80 (1989)—Venezuela.
- marahuacensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 80 (1989)—Venezuela.
- medinae B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 81 (1989)—Venezuela.
- ornata B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 82 (1989)—Venezuela.
- papillata B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 82 (1989)—Venezuela.
- paruensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 83 (1989)—Venezuela.
- propinqua B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 85 (1989)—Venezuela.
- pseudotatei B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 85 (1989)—Guyana.
- pumila B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 86 (1989)—Venezuela.
- var. heterodoxa B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 87 (1989)—Venezuela.
- ramiflora C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(1): 62 (1988)—Brazil.
- ramosissima B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 87 (1989)—Venezuela.
- rotundipetala B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 90 (1989)—Venezuela.
- sacleuxii (van Tieghem) H.J. Beentje in *Utahiti*, 1(2): 70 (1988): *Cercanthemum sacleuxii*.
- sculpta (Tieghem) C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(1): 67 (1988): *Diouratea sculpta*.
- sipapoensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 92 (1989)—Venezuela.
- soderstromii C. Sastre in *Phytologia*, 64(4): 248 (1988)—Guyana, Venezuela.
- steyermarkii C. Sastre in *Phytologia*, 64(4): 247 (1988)—Venezuela.
- subamplexicaulis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 96 (1989)—Venezuela.
- tumacoensis C. Sastre in *Caldasia*, 15(71–75): 189 (1986)—Colombia.
- venulata (Tieghem) C. Sastre in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(1): 60 (1988): *Cercouratea venulata*.
- wurdackiana B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 100 (1989)—Venezuela.
- yapacana C. Sastre in *Phytologia*, 64(4): 248 (1988)—Venezuela.

**OWENIA** (Meliac.).

- ×reliqua P.I. Forster in *Austrobaileya*, 3(2): 304 (1990)—Australia (Queensland). (O. acidula × venosa).

**OXALIS** (Oxalidac.).

- compacta  
subsp. berteriana (Barnéoud) A. Lourteig in *Fl. Patagonica (Colecc. Cient. 8)*, 5: 7 (1988): O. berteriana.
- debilis  
subsp. corymbosa (DC.) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 286 (1990): O. corymbosa.
- dillenii  
subsp. recurva (Ell.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): O. recurva.
- enneaphylla  
subsp. ibarii (Philippi) A. Lourteig in *Fl. Patagonica (Colecc. Cient. 8)*, 5: 9 (1988): O. ibarii.
- fontana  
var. rufa (Small) T. Karlsson in *Svensk Bot. Tidskr.*, 83(5): 313 (1989): O. rufa.
- griffithii  
var. kantoensis (Terao) T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989): O. acetosella var. kantoensis.
- martiana  
var. taimoni (Yamamoto) S.S. Ying, *Alp. Pl. Taiwan in Color*, 2: 296 (1978): O. taimoni.

**OXALIS** :-

- parvifolia  
subsp. aureoflava (Steudel) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 286 (1990): O. aureoflava.
- rigida (Barnéoud) A. Lourteig in *Fl. Patagonica (Colecc. Cient. 8)*, 5: 24 (1988): O. laxa var. rigida.

**OXANDRA** (Annonac.).

- reticulata P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 261 (1986)—Brazil.

**OXANTHERA** (Rutac.).

- brevipes B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 219 (1985)—New Caledonia.

**OXYANTHUS** (Rubiace.).

- lepidus  
subsp. kigogoensis D.M. Bridson in *Kew Bull.*, 42(1): 251 (1987)—Tanzania.
- letouzeyanus B. Sonké in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(4): 429 (1989 publ. 1990)—Zaire.

**OXYCARPUS** (Guttif.).

- sopopia F. Buchanan-Hamilton in *Mem. Wern. Soc.*, 5(2): 345 (1826); cf. D.J. Mabberley in *Taxon*, 26(5–6): 527, 529 (1977)—India.†

**OXYCEROS** (Rubiace.).

- longiflora  
var. major (King & Gamble) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 207 (1990): *Randia longiflora* var. major.
- malabarica (Lam.) D.D. Tirvengadam in *Ceylon J. Sci., Biol. Sci.*, 14(1–2): 4 (1981): *Randia malabarica*.

**OXYCOCCUS** (Ericac.).

- oxycoccus (L.) MacMillan in *Bull. Torrey Bot. Club*, 19: 15 (1892), as 'Oxycoccus oxycoccus'; see also K. Adolphi in *Taxon*, 36(1): 127 (1987): *Vaccinium oxycoccus*.†
- palustris  
var. macrophyllus W. Gugnacka-Fiedor in *Stud. Soc. Sci. Turun, D*, 11(4): 345 (1986 publ. 1987)—Poland.

**OXYGONUM** (Polygonac.).

- alatum  
var. longisquamatum G. Germishuizen in *Bothalia*, 17(2): 186 (1987)—Namibia, Botswana.
- altissimum G. Germishuizen in *Bothalia*, 19(2): 210 (1989)—Somali Republic.
- dregeanum  
subsp. canescens (Sond.) G. Germishuizen in *Bothalia*, 18(2): 175 (1988): O. canescens.
- var. dissectum G. Germishuizen in *Bothalia*, 18(2): 176 (1988)—South Africa (Transvaal).
- subsp. lanceolatum G. Germishuizen in *Bothalia*, 18(2): 178 (1988)—South Africa (Transvaal, Natal), Swaziland.
- var. linearifolium G. Germishuizen in *Bothalia*, 18(2): 175 (1988)—South Africa (Transvaal, Natal).
- var. lobophyllum G. Germishuizen in *Bothalia*, 18(2): 177 (1988)—South Africa (Transvaal), Swaziland.
- var. pilosum G. Germishuizen in *Bothalia*, 18(2): 177 (1988)—South Africa (Transvaal).
- subsp. streyi G. Germishuizen in *Bothalia*, 18(2): 173 (1988)—South Africa (Natal).
- subsp. swazicum (Burt Davy) G. Germishuizen in *Bothalia*, 18(2): 174 (1988): O. zeyheri var. swazicum.
- robustum G. Germishuizen in *Bothalia*, 17(1): 40 (1987)—Natal.

**OXYGYNE** (Burmanniace.).

- hyodoi C. Abe & Y. Akasawa in *J. Jap. Bot.*, 64(6): 161 (1989)—Japan.
- shinzatoi (Hatusima) C. Abe & Y. Akasawa in *J. Jap. Bot.*, 64(6): 163 (1989): *Saionia shinzatoi*.

**OXYLOBUS** (Compos.).

- precei B.L. Turner in *Phytologia*, 65(5): 375 (1988)—Mexico.

**OXYPETALUM** (Asclepiadac.).

- kleinii J. Fontella Pereira & N. Marquete Ferreira da Silva in *Sellowia*, 39: 50 (1987)—Brazil.
- reitzii J. Fontella Pereira & N. Marquete Ferreira da Silva in *Sellowia*, 39: 49 (1987)—Brazil.

**OXYRIA** (Polygonac.).

- acida R. Br. ex Lindl. in *Loud., Encycl. Pl.*: 294 (1829); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982)—Locality not stated.

**OXYSTELMA** (Asclepiadac.).

- secamone  
var. wallichii (Wight) M.A. Rahman & C.C. Wilcock in *Blumea*, 34(2): 520 (1990): O. wallichii.

**OXYTROPIS** (Legumin.).

- subgen. Acanthoxytropis C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 8(1): 10 (1988).
- sect. Arenicola C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 9(1): 40 (1989).
- sect. Auricula C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 7(3): 197 (1987).
- sect. Brachydenticulata N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 92(5): 114 (1987).
- sect. Falcicarpa C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 9(1): 41 (1989).
- sect. Sericopetala C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 9(1): 40 (1989).
- sect. Sichuanica C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 8(1): 11 (1988).
- sect. Sikkimia I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 93(3): 102 (1988).
- subsect. Uniflorae B.A. Yurtsev in *Bot. Zhurn.*, 73(12): 1653 (1988).
- ajanensis  
subsp. semiglobosa (Jurtz.) N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 269 (1989): O. semiglobosa.
- andersii I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 93(3): 97 (1988)—Afghanistan.
- arystangalievii M.S. Baitenov in *Izv. Akad. Nauk Kaz. SSR, Biol.*, 1990(4): 84 (1990)—U.S.S.R. (Middle Asia).
- auriculata C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 7(3): 197 (1987)—China.
- austrosachalinensis Vass. ex N.S. Pavlova in *Bot. Zhurn.*, 74(6): 904 (1989)—Sakhalin Is.
- bajtulini Yu.A. Kotukhov in *Bot. Zhurn.*, 74(3): 415 (1989)—U.S.S.R. (Middle Asia).
- barkultagi V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 138 (1987)—Xinjiang.
- beringensis B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 179, 116 (1986)—U.S.S.R. (Soviet Far East).
- bicolor  
var. luteola C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 6(3): 188 (1986)—China.
- burchan-buddae V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 139 (1987)—Xizang.
- calcareorum N.S. Pavlova in *Bot. Zhurn.*, 74(6): 903 (1989)—Sakhalin Is.
- callophylla I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 93(3): 98 (1988)—Afghanistan.
- candolleorum I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 93(3): 98 (1988)—Xizang.
- chinglingensis C.W. Chang in *Fl. Tsinlingensis*, 1(3): 446, 68 (1981)—China.
- coerulescens (Jurtz. & Petrov.) A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 130 (1989): O. middendorffii subsp. coerulescens.
- davisii (Welsh) B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 97 (1986): O. campestris var. davisii.
- deflexa  
subsp. dezhnevii (Jurtz.) B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 79 (1986): O. deflexa var. dezhnevii.
- subsp. retrorsa (Fern.) B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 77 (1986): O. retrorsa.
- dschagastaica V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 137 (1987)—U.S.S.R. (Middle Asia).
- dumbledanica V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 134 (1987)—U.S.S.R. (Middle Asia), Xinjiang.
- engizekensis H. Duman & M. Vural in *Doğa, Turk. J. Bot.*, 14: 43 (1990)—Turkey.

**OXYTROPIS :-**

- falcata*  
*var. maquensis* C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 7(3): 202 (1987)—China.
- gerzeensis* P.C. Li in *Fl. Xizangica*, 2: 859 (1985)—Xizang.
- glabra*  
*var. drakeana* (Franch.) C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 6(3): 185 (1986): O. drakeana.
- gracillima*  
*f. albiflora* (P.Y. Fu & Y.A. Chen) H.C. Fu in *Fl. Intramongolica*, Ser. 2, 3: 310 (1989): O. psammocharis *f. albiflora*.
- hedgeri* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 101 (1988)—Afghanistan.
- helenae* N.S. Pavlova in *Bot. Zhurn.*, 74(6): 901 (1989)—Sakhalin Is.
- hirta*  
*var. wutuensis* C.W. Chang in *Fl. Tsinlingensis*, 1(3): 445, 65 (1981)—China.
- humilis* C.W. Chang in *Fl. Tsinlingensis*, 1(3): 447, 68 (1981)—China.
- inopinata* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 182, 144 (1986)—U.S.S.R. (Siberia).
- janensis* (Jurtz.) A.P. Khokhryakov, *Analiz Fl. Kolymkogo Nagor'ya*: 130 (1989): O. adamsiana subsp. *janensis*.
- jarovoi* (Jurtz.) A.P. Khokhryakov, *Analiz Fl. Kolymkogo Nagor'ya*: 130 (1989): O. middendorffii subsp. *jarovoi*.
- kalami* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 98 (1988)—Pakistan.
- kateninii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 182, 146 (1986)—U.S.S.R. (Soviet Far East).
- khinjahi* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 98 (1988)—Afghanistan.
- kumaonensis* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 99 (1988)—India.
- kumbelica* V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 135 (1987)—U.S.S.R. (Middle Asia).
- kunarensis* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 102 (1988)—Afghanistan.
- langshanica* H.C. Fu in *Fl. Intramongolica*, Ser. 2, 3: 672, 313 (1989)—China.
- larionovii* V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 136 (1987)—Xinjiang.
- lavrenkoi* N. Ulziikhutag in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 92(5): 114 (1987)—Mongolia.
- laxiracemosa* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 99 (1988)—Afghanistan.
- leucantha*  
*subsp. subarctica* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 180, 119 (1986)—U.S.S.R. (Siberia).
- subsp. tschukotcensis* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 180, 120 (1986)—U.S.S.R. (Soviet Far East, Siberia).
- mandshurica*  
*f. albiflora* H.C. Fu in *Fl. Intramongolica*, Ser. 2, 3: 673, 328 (1989)—China.
- melanocalyx*  
*var. brevidentata* C.W. Chang in *Fl. Tsinlingensis*, 1(3): 445, 66 (1981)—China.
- middendorffii*  
*subsp. coerulescens* B.A. Yurtsev & Petrovsky in *Arktich. Fl. SSSR*, 9(2): 181, 137 (1986)—U.S.S.R. (Soviet Far East).
- subsp. jarovoi* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 181 (1986)—U.S.S.R. (Siberia).
- subsp. submiddendorffii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 181, 137 (1986), as 'sub-middendorffii'—U.S.S.R. (Soviet Far East).
- subsp. trautevetteri* (Meinsh.) B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 141 (1986): O. trautevetteri.
- nanda-devi* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 97 (1988)—India.
- ochrantha*  
*var. albopilosa* P.C. Li in *Fl. Xizangica*, 2: 870 (1985)—Xizang.
- ochrocephala*  
*var. longibracteata* P.C. Li in *Fl. Xizangica*, 2: 859 (1985)—Xizang.
- oreophila*  
*var. jonesii* (Barneby) R.C. Barneby in A. Cronquist et al., *Intermountain Fl., Vasc. Pl. Intermountain West, U.S.A.*, 3B: 183 (1989): O. jonesii.

**OXYTROPIS :-**

- pseudocoerulea* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 300 (1989)—China, Xizang.
- rhodontha* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 99 (1988)—Iran.
- ribumoo* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 102 (1988)—Sikkim.
- rudbariensis* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 101 (1988)—Iran.
- salicetorum* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 97 (1988)—Afghanistan.
- shirkuhi* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 99 (1988)—Iran.
- sichuanica* C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 8(1): 11 (1988)—China.
- sinkiangensis* Cheng f. ex C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 8(1): 13 (1988)—Xinjiang.
- sitaipaiensis* T.P. Wang ex C.W. Chang in *Fl. Tsinlingensis*, 1(3): 446, 67 (1981)—China.
- sordida*  
*subsp. arctolenensis* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 179, 114 (1986)—U.S.S.R. (Siberia).
- subsp. barnebyana* (Welsh) B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 109 (1986): O. arctica *var. barnebyana*.
- subsp. murrayi* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 179 (1986)—Canada (Yukon).
- subsp. schamurini* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 179, 115 (1986)—U.S.S.R. (Soviet Far East, Siberia).
- subpodoloba* P.C. Li in *Fl. Xizangica*, 2: 864 (1985)—Xizang.
- substepposa* (Jurtz.) A.P. Khokhryakov, *Analiz Fl. Kolymkogo Nagor'ya*: 67 (1989): O. vassilczenkoi subsp. *substepposa*.
- surmandehi* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 100 (1988)—Iran.
- taldycola* V.I. Grubov & I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 138 (1987)—Xinjiang.
- tichomirovii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 180, 128 (1986)—U.S.S.R. (Siberia).
- tunnellii* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 100 (1988)—Afghanistan.
- uniflora* B.A. Yurtsev in *Bot. Zhurn.*, 73(12): 1650 (1988)—U.S.S.R. (Soviet Far East).
- uschakovii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 178, 104 (1986)—U.S.S.R. (Soviet Far East).
- vakhdzhiri* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 101 (1988)—Afghanistan.
- valerii* I.T. Vasil'chenko in *Novosti Sist. Vyssh. Rast.*, 24: 133 (1987)—Xizang.
- vassilczenkoi*  
*subsp. substepposa* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 178, 102 (1986)—U.S.S.R. (Soviet Far East, Siberia).
- vassilievii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 180 (1986)—U.S.S.R. (Soviet Far East).
- vasskovskiyi* B.A. Yurtsev in *Arktich. Fl. SSSR*, 9(2): 181, 143 (1986)—U.S.S.R. (Siberia, Soviet Far East).
- vositensis* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 100 (1988)—Afghanistan.
- xinglongshanica* C.W. Chang in *Acta Bot. Bor.-Occid. Sin.*, 7(3): 199 (1987), with two types cited—China.
- yazdi* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 100 (1988)—Iran.
- zangolehensis* I.T. Vasil'chenko in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 93(3): 101 (1988)—Iran.

**P****PACHIRA** (Bombacac.).

- dolichocalyx* A. Robyns in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 535 (1988)—French Guiana.

**PACHYCARPUS** (Asclepiadac.).

- sect. Campanulati* (Schltr.) A. Nicholas & D.J. Goyder in *Bothalia*, 20(1): 88 (1990): Asclepias *sect. Campanulatae*.

**PACHYCARPUS :-**

- suaveolens* (Schltr.) A. Nicholas & D.J. Goyder in *Bothalia*, 20(1): 88 (1990): Gomphocarpus *suaveolens*.

**PACHYCEREUS** (Cactac.).

- militaris* (Audot) D. Hunt in *Bradleya*, 5: 93 (1987): Cereus *militaris*.
- schottii* (Engelmann) D. Hunt in *Bradleya*, 5: 93 (1987): Cereus *schottii*.

**PACHYCYMBIUM** (Asclepiadac.).

- abayense* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *abayensis*.
- araysianum* (Lavranos & Bilaiddi) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Stultitia *araysiana*.
- baldratii* (White & Sloane) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *baldratii*.
- subsp. subterraneum* (Bruce & Bally) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *subterranea*.
- chrysostephanum* (Defl.) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Stapelia *chrysostephana*.
- circus* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *circus*.
- commutatum* (Berger) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *commutata*.
- decaisneanum* (Lem.) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Boucerosia *decaisneana*.
- deflersianum* (Lavranos) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *deflersiana*.
- denboefii* (Lavranos) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *denboefii*.
- distinctum* (E.A. Bruce) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *distincta*.
- dummeri* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Stapelia *dummeri*.
- eremastrum* (Schwartz) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *eremastrum*.
- gemugofanum* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *gemugofana*.
- huernioides* (Bally) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *huernioides*.
- kochii* (Lavranos) M.G. Gilbert in *Bradleya*, 8: 21 (1990): Caralluma *kochii*.
- laikipiense* M.G. Gilbert in *Bradleya*, 8: 24 (1990)—Kenya.
- laticorona* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 23 (1990), as 'laticoronum': Caralluma *sprengeri* subsp. *laticorona*.
- lugardii* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 28 (1990): Caralluma *lugardii*.

**PACHYCYMBIUM** (Asclepiadac.).

- luntii* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *luntii*.
- meintjesianum* (Lavranos) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *meintjesiana*.
- miscellum* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 28 (1990): Stapelia *miscella*.
- rogersii* (L. Bolus) M.G. Gilbert in *Bradleya*, 8: 28 (1990): Stapelia *rogersii*.
- sacculatum* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 21 (1990): Caralluma *sacculata*.
- schweinfurthii* (Berger) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *schweinfurthii*.
- sprengeri* (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *sprengeri*.
- subsp. foetidum* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *sprengeri* subsp. *foetida*.
- subsp. ogadense* (M. Gilbert) M.G. Gilbert in *Bradleya*, 8: 23 (1990): Caralluma *sprengeri* subsp. *ogadensis*.
- tubiforme* (Bruce & Bally) M.G. Gilbert in *Bradleya*, 8: 21 (1990): Caralluma *tubiformis*.
- ubomboense* (Verdoorn) M.G. Gilbert in *Bradleya*, 8: 25 (1990): Caralluma *ubomboensis*.
- vibratilis* (Bruce & Bally) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *vibratilis*.
- wilsonii* (Bally) M.G. Gilbert in *Bradleya*, 8: 22 (1990): Caralluma *wilsonii*.
- wissmannii* (Schwartz) M.G. Gilbert in *Bradleya*, 8: 24 (1990): Caralluma *wissmannii*.

**PACHYGONE** (Menispermac.).

- yunnanensis* H.S. Lo in *Guhua*, 10(3): 181 (1990)—China.

**PACHYPLEURUM** (Umbellif.).

mulienae R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 27(1): 62 (1988)—China.

**PACHYPODIUM** (Crucif.).

pannonicum (Jacq.) Endl., *Cat. Horti Vindob.*, 2: 251 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 435 (1984): Basionym not stated.

**PACHYRHIZUS** (Legumin.).

ferrugineus (Piper) M. Sørensen in *Nordic J. Bot.*, 8(2): 181 (1988): Calopogonium ferrugineum.

**PACHYSANDRA** (Buxac.).

tricarpa (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 118 (1988): P. axillares var. tricarpa.

**PACHYSTACHYS** (Acanthac.).

badiospica D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 168 (1986)—Peru.  
 fosteri D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 168 (1986)—Peru.  
 incarnata D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 171 (1986)—Peru.  
 killipii D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 179 (1986)—Peru.  
 longibracteata D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 163 (1986)—Peru.  
 ossolae D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 180 (1986)—Peru.  
 puberula D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 173 (1986)—Peru.  
 rosea D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 178 (1986)—Peru.  
 schunkei D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 166 (1986)—Peru.  
 spicata (R. & P.) D.C. Wasshausen in *Proc. Biol. Soc. Wash.*, 99(1): 175 (1986): Justicia spicata.

**PACHYSTEGIA** (Compos.).

minor (Cheeseman) B.P.J. Molloy in *New Zealand J. Bot.*, 25(1): 144 (1987): Olearia insignis var. minor.  
 rufa B.P.J. Molloy in *New Zealand J. Bot.*, 25(1): 144 (1987)—New Zealand.

**PACHYSTIGMA** (Rubiace.).

alboretulosum B. Verdcourt in *Kew Bull.*, 42(1): 139 (1987)—Zambia.  
 gillettii (Tennant) B. Verdcourt in *Kew Bull.*, 42(1): 140 (1987): Rytigynia gillettii.  
 loranthifolium (K. Schum.) B. Verdcourt in *Kew Bull.*, 42(1): 140 (1987): Vangueria loranthifolia.  
 subsp. salaense B. Verdcourt in *Kew Bull.*, 42(1): 140 (1987)—Kenya.  
 micropyren B. Verdcourt in *Kew Bull.*, 42(1): 139 (1987)—Zambia, Angola.

**PACHYSTOMA** (Orchidac.).

hirsuta (Joseph & Vajravelu) C. Sathish Kumar & K.S. Manilal in *Kew Bull.*, 42(4): 942 (1987): Eulophia hirsuta.

**PADELLUS** (Rosac.).

mahaleb  
 subsp. cupaniana (Gussone) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(3): 171 (1984 publ. 1985): Prunus cupaniana.  
 subsp. simonkaii (Pénzes) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(3): 171 (1984 publ. 1985): Prunus mahaleb subsp. simonkaii.  
 maximowiczii (Rupr.) G.V. Eremín & A.A. Yushev in *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 166: 42 (1986): Prunus maximowiczii.  
 pennsylvanica (L.f.) G.V. Eremín & A.A. Yushev in *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova*, 166: 43 (1986): Prunus pennsylvanica.

**PADUS** (Rosac.).

ser. Maackiopadus (Koehne) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 94 (1986): Prunus subsect. Maackiopadus.  
 brachypoda  
 var. microdonta (Koehne) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 99 (1986): Prunus brachypoda var. microdonta.  
 buergeriana (Miq.) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 91 (1986): Prunus buergeriana.

**PADUS** :-

obtusata (Koehne) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 101 (1986): Prunus obtusata.  
 perulata (Koehne) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 92 (1986): Prunus perulata.  
 racemosa  
 var. asiatica (Kom.) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 98 (1986): P. asiatica.  
 stellipila (Koehne) T.T. Yü & T.C. Ku in *Fl. Reipubl. Popul. Sin.*, 38: 92 (1986): Prunus stellipila.

**PAEDERIA** (Rubiace.).

scandens  
 f. rubescens Y. Asai in *J. Jap. Bot.*, 63(2): 54 (1988)—Japan.  
 thorelii  
 var. hirsuta (Craib) N. Fukuoka in *Acta Phytotax. Geobot.*, 39(1-3): 52 (1988): P. hirsuta.

**PAEONIA** (Paeoniace.).

ser. Anomala Kem.-Nath. ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 84 (1987).  
 ser. Arietinae Stern ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 84 (1987).  
 subsect. Flavonia (Kem.-Nath.) M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 83 (1987): P. sect. Flavonia.  
 ser. Masculae F.C. Stern ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 83 (1987).  
 subsect. Obovatae Komarov ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 84 (1987).  
 ser. Officinalis Kem.-Nath. ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 84 (1987).  
 ser. Tenuifoliae Stern ex M.S. Uspenskaya in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(3): 84 (1987).  
 altaica K.M. Dai & T.H. Ying in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 33 (1990)—Xinjiang.  
 arborea C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 192 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 emodi  
 f. glabrata (Hook. f. & Thoms.) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 23 (1979): P. emodi var. glabrata.

**PAEPALANTHUS** (Eriocaulac.).

ser. Albidi N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 58 (1988).*  
 sect. Chrysostegis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 119 (1988).*  
 ser. Fuscati N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 76 (1988).*  
 sect. Gymnostegis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 138 (1988).*  
 sect. Pleurophyllon N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 140 (1988).*  
 sect. Xeractis (Koernicke) N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 58 (1988): P. subgen. Xeractis.*  
 alsinoides  
 subsp. minimus (Jennings) L. González Géigal in *Rev. Jard. Bot. Nacion. Univ. Habana*, 8(1): 5 (1987): P. alsinoides var. minimus.  
 amoenus  
 var. bolivianus H.N. Moldenke in *Phytologia*, 61(7): 444 (1987)—Bolivia.  
 anamariae N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 121 (1988)—Brazil.*  
 argenteus  
 var. elatus (Bongard) N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 135 (1988): Eriocaulon elatum.*  
 augustus  
 var. picensis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 82 (1988)—Brazil.*

**PAEPALANTHUS** :-

bossieri (P. Morat) T. Stützel in *Pl. Syst. Evol.*, 156(3-4): 138 (1987): Moldenkeanthus bossieri.  
 calvulus (Ruhland) N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 119 (1988): P. elatus var. calvulus.*  
 chlorocephalus  
 f. parviflorus N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 117 (1988)—Brazil.*  
 clausenii N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 106 (1988)—Brazil.*  
 digitiformis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 64 (1988)—Brazil.*  
 holstii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 311 (1988)—Venezuela.  
 itremensis (P. Morat) T. Stützel in *Pl. Syst. Evol.*, 156(3-4): 135 (1987): Moldenkeanthus itremensis.  
 lanuginosus N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 140 (1988)—Brazil.*  
 mollis  
 var. itambeensis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 103 (1988)—Brazil.*  
 revolutus N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 94 (1988)—Brazil.*  
 sulcatus N. Hensold in *Ann. Missouri Bot. Gard.*, 76(4): 958 (1989), nom. nov.: P. stegolepoides var. acutalis Moldenke.  
 superbus  
 var. gracilis N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 91 (1988)—Brazil.*  
 var. niveoniger (Silveira) N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 93 (1988): P. niveo-niger.*  
 uncinatus  
 var. rectus N. Hensold, *Morphol. & Syst. Paepalanthus subgen. Xeractis (Eriocaulac.) (Syst. Bot. Monog., 23): 61 (1988)—Brazil.*

**PAGAMEA** (Rubiace.).

aracaensis B.M. Boom in *Brittonia*, 41(2): 129 (1989)—Brazil.

**PAGAMEOPSIS** (Rubiace.).

maguirei  
 var. glabrus J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 108 (1987)—Venezuela.  
 var. pirapucensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 108 (1987)—Brazil.  
 subsp. pusillus J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 106 (1987)—Venezuela.

**PAIVAEA** (Myrtac.).

phaea (Berg) J.R. Mattos in *Loefgrenia*, 94: 8 (1989): Abbevillea phaea.

**PALICOUREA** (Rubiace.).

albocaerulea C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 15 (1989)—Costa Rica.*  
 bellula C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 24 (1989)—Costa Rica.*  
 gomezii C.M. Taylor in *Ann. Missouri Bot. Gard.*, 77(1): 215 (1990)—Costa Rica.  
 hammelii C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 43 (1989)—Panama.*  
 orosiana C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 61 (1989)—Costa Rica, Panama.*  
 pendula C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 68 (1989)—Panama.*  
 purpurea C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 71 (1989)—Panama, Costa Rica.*  
 skotakii C.M. Taylor, *Revis. Palicourea (Rubiace.) Mexico & C. Amer. (Syst. Bot. Monog., 26): 76 (1989)—Costa Rica.*



**PALICOUREA** :-

- standleyana C.M. Taylor, *Revis. Palicourea (Rubiaceae)* Mexico & C. Amer. (Syst. Bot. Monog., 26): 81 (1989), nom. nov.: *Psychotria brenesii* Standley.  
 steyermarkii C.M. Taylor in *Phytologia*, 66(6): 470 (1989), nom. nov.: *P. garciae* Steyermark.  
 tilaranensis C.M. Taylor, *Revis. Palicourea (Rubiaceae)* Mexico & C. Amer. (Syst. Bot. Monog., 26): 84 (1989)—Costa Rica.

**PALLENIS** (Compos.).

- cyrenaica S.A. Alavi in *Fl. Libya*, 107: 109 (1983)—Libya.  
 spinosa  
   *var. gymnesica* O. de Bolòs & P. Montserrat in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988)—Balearic Is.

**PALMA** (Palmae).

- chilensis R. Alsop in *Molina, Geog. Hist. Chile (Connecticut ed.)*: 124 (1808); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**PALOUE** (Legumin.).

- induta  
   *subsp. glabra* W.A. Rodrigues & H.C. de Lima in *Acta Amazonica*, 19: 149 (1989 publ. 1990)—Brazil.

**PANAX** (Araliac.).

- austrocaledonicus H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 balansae H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 microbotrys H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 myriophyllus H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 pancheri H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 pulchellus H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.  
 suborbicularis H. Baillon, *Adansonia*, 12: 152 (1878)—New Caledonia.

**PANDANUS** (Pandanae.).

- sect. Cuneoidea* H. St. John, *Pandanus of Cook Is. (Revis. Gen. Pandanus, 47)*: 2 (1989).  
*sect. Hastatistigma* B.C. Stone in *Blumea*, 32(2): 434 (1987).  
*sect. Macrokurzia* B.C. Stone in *Blumea*, 32(2): 439 (1987).  
*sect. Vadosa* H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 22 (1989).  
 abbiwii K.L. Huynh in *Bot. Helvetica*, 97(1): 81 (1987)—Ghana.  
 absonus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 3 (1989)—Tubuai Is.  
 adpressus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 40 (1989)—New Caledonia.  
 aequor H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 52 (1989), nom. nov.: *P. tectorius* var. *brongniartii* Martelli.  
 aitutakiensis H. St. John, *Pandanus of Cook Is. (Revis. Gen. Pandanus, 47)*: 4 (1989)—Cook Is.  
 akeassii K.-L. Huynh in *Bot. Jahrb.*, 109(3): 345 (1988)—Ivory Coast.  
   *var. limitaneus* K.-L. Huynh in *Bot. Jahrb.*, 109(3): 347 (1988)—Ivory Coast.  
 akiakiensis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 3 (1989)—Tuamotu Is.  
 alifer H. St. John, *Pandanus Bismarck & Admiralty Is. (Revis. Gen. Pandanus, 51)*: 29 (1989)—New Ireland.  
 alticonvexus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 53 (1989)—New Caledonia.  
 amicalis H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 3 (1989)—Tonga.  
 amnicola H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 41 (1989)—New Caledonia.  
 amplexus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 5 (1989)—Tubuai Is.  
 angolensis K.L. Huynh in *Garcia de Orta, Ser. Bot.*, 9(1-2): 23 (1987 publ. 1988)—Angola.  
   *f. cacondensis* K.L. Huynh in *Garcia de Orta, Ser. Bot.*, 9(1-2): 26 (1987 publ. 1988)—Angola.  
 angulosus H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 4 (1989)—Tonga.  
 angustifolia C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 193 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.  
 anisos H. St. John, *Pandanus of Pacific Equatorial (Line) Is. (Revis. Gen. Pandanus, 58)*: 2 (1989)—Christmas Is. Pacific Ocean.  
 anomesos H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 14 (1989)—New Caledonia.  
 apionops H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 3 (1988)—Tuamotu Is.  
 arapepe H. St. John, *Pandanus of Cook Is. (Rev. Gen. Pandanus, 47)*: 2 (1989)—Cook Is.  
 arrectialatus H. St. John, *Pandanus of New Hebrides (Revis. Gen. Pandanus, 60)*: 12 (1989)—Vanuatu.  
 asauensis H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 22 (1989)—Samoa.  
 ater H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 3 (1989)—Society Is.  
 bassus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 7 (1989)—Tubuai Is.  
 bathys H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 3 (1989)—Samoa.  
 benignus H. St. John, *Account of Fl. Pitcairn Is. with new Pandanus spp. (Pacific Pl. Stud. 46)*: 9 (1987)—Pitcairn Is.  
 bicurvatus H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 4 (1989)—Tuamotu Is.  
 bilinearis H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 18 (1989)—New Caledonia.  
 bilobatus H. St. John ex K.L. Huynh in *Garcia de Orta, Ser. Bot.*, 9(1-2): 29 (1987 publ. 1988)—Angola.  
 bismarckensis H. St. John, *Pandanus Bismarck & Admiralty Is. (Rev. Gen. Pandanus, 51)*: 30 (1989)—St. Matthias Is.  
 boraboraensis H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 5 (1989)—Society Is.  
 breviendocarpicus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 54 (1989)—New Caledonia.  
 brevifragilis K.-L. Huynh in *Bot. Jahrb.*, 109(3): 357 (1988)—Upper Volta.  
 brongniartii H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 19 (1989)—New Caledonia.  
 bryanii H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 55 (1989)—New Caledonia.  
 cacuminatus H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 6 (1989), nom. nov.: *P. tahitensis* var. *exiguus* J.W. Moore.  
 calvus B.C. Stone in *Blumea*, 32(2): 427 (1987)—Malaya.  
 cavatus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 20 (1989)—New Caledonia.  
 chevalieri H. St. John ex K.-L. Huynh in *Bot. Jahrb.*, 110(1): 96 (1988)—Guinea.  
 christophersenii H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 4 (1989)—Samoa.  
 collatus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 10 (1989)—Tubuai Is.  
 columellatus K.L. Huynh in *Candollea*, 42(1): 140 (1987)—Senegal.  
 complanatus H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 7 (1989)—Society Is.  
 cooperi (Martelli) H. St. John, *Pandanus of Pacific Equatorial (Line) Is. (Revis. Gen. Pandanus, 58)*: 3 (1989); *P. pulposus* var. *cooperi*.  
 crassicolis K.-L. Huynh in *Bull. Soc. Neuchâtel. Sci. Nat.*, 110: 9 (1987)—Togo.  
 crassus H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 6 (1989)—Tuamotu Is.

**PANDANUS** :-

- crenifer H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 21 (1989)—New Caledonia.  
 cuneiformis H. St. John, *Pandanus of New Hebrides (Revis. Gen. Pandanus, 60)*: 13 (1989)—Vanuatu.  
 cymatilis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 7 (1989)—Tuamotu Is.  
 daenikeri H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 56 (1989)—New Caledonia.  
 dasodes H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 43 (1989)—New Caledonia.  
 denudatus K.-L. Huynh in *Bull. Soc. Neuchâtel. Sci. Nat.*, 110: 11 (1987)—Togo.  
 divaricatus H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 9 (1989)—Society Is.  
 djalonenis K.L. Huynh in *Webbia*, 41(1): 155 (1987)—Guinea.  
 dotyi H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 8 (1989)—Tuamotu Is.  
 drakei H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 10 (1989)—Society Is.  
 edwinii H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 6 (1989)—Samoa.  
 efateensis H. St. John, *Pandanus of New Hebrides (Revis. Gen. Pandanus, 60)*: 15 (1989)—Vanuatu.  
 elevatus H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 10 (1989)—Tuamotu Is.  
 evexus H. St. John, *Pandanus of Cook Is. (Rev. Gen. Pandanus, 47)*: 7 (1989)—Cook Is.  
 exilis H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 7 (1989), nom. nov.: *P. upoluensis* var. *angulosus* Martelli.  
   *var. judithi* H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 8 (1989)—Samoa.  
 fahina H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 6 (1989), nom. nov.: *P. odoratissimus* var. *setchellii* Martelli.  
 faramaa H. St. John, *Pandanus in Leeward Soc. Is., Meeticia, & Henderson (Rev. Gen. Pandanus, 49)*: 12 (1989)—Society Is.  
 fatuhivaensis H. St. John, *Pandanus in Marquesas Is. (Revis. Gen. Pandanus, 57)*: 1 (1989)—Marquesas Is.  
 fidelis H. St. John, *Pandanus of Loyalty Is. (Revis. Gen. Pandanus, 62)*: 6 (1990)—New Caledonia.  
 filiciatilis H. St. John, *Pandanus in Marquesas Is. (Revis. Gen. Pandanus, 57)*: 2 (1989)—Marquesas Is.  
 flintinsularis H. St. John, *Remaining Polynesian spp. (Revis. Gen. Pandanus, 59)*: 1 (1989)—Cook Is.  
 freetownensis K.L. Huynh in *Bot. Helvetica*, 98(2): 187 (1988)—Sierra Leone.  
 futunaensis H. St. John, *Remaining Polynesian spp. (Revis. Gen. Pandanus, 59)*: 3 (1989)—Futuna Is.  
 gabonensis K.-L. Huynh in *Fl. Gabon*, 28: 12 (1986)—Gabon.  
 gambierensis H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 4 (1988)—Tuamotu Is.  
 gasicus K.L. Huynh in *Bot. Helvetica*, 99(1): 21 (1989)—Mozambique.  
 gazelleensis H. St. John, *Pandanus Bismarck & Admiralty Is. (Rev. Gen. Pandanus, 51)*: 31 (1989)—New Britain.  
 gibberosus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 67 (1989)—New Caledonia.  
 glaphyros H. St. John, *Pandanus Bismarck & Admiralty Is. (Rev. Gen. Pandanus, 51)*: 33 (1989)—New Britain.  
 globatus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 44 (1989)—New Caledonia.  
 glomerosus H. St. John, *Pandanus on Niue Is., Polynesia (Rev. Gen. Pandanus, 52)*: 1 (1989), nom. nov.: *P. tahitensis* var. *niueana* B.C. Stone.  
 gossweilerii H. St. John ex K.L. Huynh in *Garcia de Orta, Ser. Bot.*, 9(1-2): 31 (1987 publ. 1988)—Angola.  
 gracilialatus H. St. John, *Pandanus of Loyalty Is. (Revis. Gen. Pandanus, 62)*: 7 (1990)—New Caledonia.

## PANDANUS :-

- grantii H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 13 (1989)—Society Is.
- granulosus H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 1 (1989)—New Ireland.
- guineabissauensis K.L. Huynh in *Candollea*, 42(1): 140 (1987)—Guinea Bissau.
- haapaiensis H. St. John, *Pandanus of Tonga, Polynesia* (Revis. Gen. Pandanus, 56): 6 (1989)—Tonga.
- hendersonensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 15 (1989)—Henderson Is.
- hivaoensis H. St. John, *Pandanus in Marquesas Is.* (Revis. Gen. Pandanus, 57): 3 (1989)—Marquesas Is.
- horneinsularum H. St. John, *Remaining Polynesian spp.* (Revis. Gen. Pandanus, 59): 5 (1989)—Futuna Is.
- houmaensis H. St. John, *Pandanus of Tonga, Polynesia* (Revis. Gen. Pandanus, 56): 8 (1989), nom. nov.: P. odoratissimus var. parksii Martelli.
- humericus H. St. John, *Pandanus on Niue Is., Polynesia* (Rev. Gen. Pandanus, 52): 7 (1989)—Cook Is.
- humilior H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 34 (1989)—New Ireland.
- inarmatus H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 17 (1989)—Society Is.
- induratus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 57 (1989)—New Caledonia.
- inflexus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 11 (1989)—Tubuai Is.
- infundibuliformis H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 5 (1988)—Tuamotu Is.
- insolitus K.L. Huynh in *Webbia*, 41(1): 160 (1987)—Congo.
- interior H. St. John, *Pandanus of Cook Is.* (Rev. Gen. Pandanus, 47): 8 (1989)—Cook Is.
- intralaevis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 18 (1989)—Society Is.
- isis H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 17 (1989)—New Ireland.
- jaffrei H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 5 (1989)—New Caledonia.
- jonesii (F. Brown) H. St. John, *Pandanus in Marquesas Is.* (Revis. Gen. Pandanus, 57): 5 (1989): P. tectorius var. jonesii.
- kaviengensis H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 35 (1989)—New Ireland.
- kosteri B.C. Stone in *Blumea*, 32(2): 435 (1987)—New Guinea (W. Irian).
- lachaisei K.-L. Huynh in *Bot. Jahrb.*, 109(3): 351 (1988)—Ivory Coast.
- laculatus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 13 (1989)—Tubuai Is.
- laferrierei K.-L. Huynh in *Bot. Helvetica*, 98(1): 33 (1988)—Mali.
- laticonvexus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 58 (1989)—New Caledonia.
- latior H. St. John, *Pandanus of Cook Is.* (Rev. Gen. Pandanus, 47): 10 (1989)—Cook Is.
- liberiensis K.-L. Huynh in *Bull. Soc. Neuchâtel. Sci. Nat.*, 111: 83 (1988)—Liberia.
- licinus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 14 (1989)—Tubuai Is.
- lifouensis H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 1 (1990)—New Caledonia.
- limitaris H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 7 (1988)—Tuamotu Is.
- longissimus H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 36 (1989)—New Britain.
- makataensis H. St. John, *Pandanus of Tuamotu Archip.* (Revis. Gen. Pandanus, 53): 12 (1989)—Tuamotu Is.
- mangarevaensis H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 8 (1988)—Tuamotu Is.

## PANDANUS :-

- marensis H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 2 (1990)—New Caledonia.
- mariaensis H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 15 (1989)—Tubuai Is.
- marquesasensis H. St. John, *Pandanus in Marquesas Is.* (Revis. Gen. Pandanus, 57): 5 (1989)—Marquesas Is.
- mauriceii H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 1 (1989)—Vanuatu.
- medialis H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 59 (1989)—New Caledonia.
- meetiensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 19 (1989)—Society Is.
- mesos H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 9 (1990)—New Caledonia.
- metaceus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 25 (1989)—New Caledonia.
- metius H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 20 (1989)—Society Is.
- minimus H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 16 (1989)—Vanuatu.
- minyocephalus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 60 (1989), nom. nov.: P. tectorius var. microcephalus Martelli.
- montaguei H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 21 (1989)—Henderson Is.
- mooreaensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 23 (1989)—Society Is.
- motuensis H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 17 (1989)—Tubuai Is.
- multidentatus H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 3 (1989)—Vanuatu.
- mussauensis H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 10 (1989)—St. Matthias Is.
- neomecklenburgensis H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 38 (1989)—New Ireland.
- ngunaensis H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 17 (1989)—Vanuatu.
- niueensis H. St. John, *Pandanus on Niue Is., Polynesia* (Rev. Gen. Pandanus, 52): 3 (1989)—Niue.
- nogarete H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 10 (1989)—Vanuatu.
- notialis H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 18 (1989)—Tubuai Is.
- noumeaensis H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 62 (1989)—New Caledonia.
- novibritannicus H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 39 (1989)—New Britain.
- ×nullumiae R. Tucker in *Austrobaileya*, 2(3): 294 (1986)—Australia (Queensland). (P. conicus × yalna).
- oblaticonvexus H. St. John, *Pandanus of Tonga, Polynesia* (Revis. Gen. Pandanus, 56): 9 (1989), nom. nov.: P. odoratissimus f. major Martelli.
- oblongicapitellatus K.-L. Huynh in *Bot. Helvetica*, 98(2): 177 (1988)—Guinea.
- onesuaensis H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 18 (1989)—Vanuatu.
- orarius H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 24 (1989)—Society Is.
- otemanuensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 25 (1989)—Society Is.
- ouveaensis H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 10 (1990)—New Caledonia.
- pachys H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 26 (1989)—Society Is.
- pakari H. St. John, *Pandanus of Cook Is.* (Rev. Gen. Pandanus, 47): 11 (1989)—Cook Is.
- palmyraensis H. St. John, *Pandanus of Pacific Equatorial (Line) Is.* (Revis. Gen. Pandanus, 58): 9 (1989), nom. nov.: P. fischerianus f. bryanii Stone.

## PANDANUS :-

- paogo H. St. John, *Pandanus on Niue Is., Polynesia* (Rev. Gen. Pandanus, 52): 4 (1989)—Niue, Samoa.
- parachevalieri K.-L. Huynh in *Bot. Jahrb.*, 110(1): 104 (1988)—Guinea.
- parkinsonii var. kukuwai H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 12 (1989)—New Britain.
- parou H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 19 (1989)—Vanuatu.
- parvicentralis K.-L. Huynh in *Fl. Gabon*, 28: 10 (1986)—Gabon.
- paucicarpellatus H. St. John, *Pandanus of Samoa* (Revis. Gen. Pandanus, 54): 9 (1989)—Samoa.
- peekelii H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 3 (1989)—New Ireland.
- pinensis H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 69 (1989)—New Caledonia.
- pistikos H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 4 (1990)—New Caledonia.
- pistos H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 5 (1990)—New Caledonia.
- pitcairnsensis H. St. John, *Account of Fl. Pitcairn Is. with new Pandanus spp.* (Pacific Pl. Stud. 46): 12 (1987)—Pitcairn Is.
- planatus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 28 (1989)—New Caledonia.
- planus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 20 (1989)—Tubuai Is.
- pritchardiae H. St. John, *Pandanus of Loyalty Is.* (Revis. Gen. Pandanus, 62): 13 (1990), as 'pritchardae'—Samoa.
- problematicus K.-L. Huynh in *Bot. Helvetica*, 98(2): 190 (1988)—Sierra Leone.
- prolixus H. St. John, *Pandanus of Tuamotu Archip.* (Revis. Gen. Pandanus, 53): 13 (1989)—Tuamotu Is.
- pseudochevalieri K.-L. Huynh in *Bot. Jahrb.*, 110(1): 99 (1988)—Guinea.
- pseudolinnaei (Martelli) H. St. John, *Pandanus of Tonga, Polynesia* (Revis. Gen. Pandanus, 56): 11 (1989): P. odoratissimus var. pseudo-Linnaei.
- pukapukaensis H. St. John, *Remaining Polynesian spp.* (Revis. Gen. Pandanus, 59): 2 (1989)—Cook Is.
- puniceus H. St. John, *Pandanus of Samoa* (Revis. Gen. Pandanus, 54): 12 (1989)—Samoa.
- pusillus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 22 (1989)—Tubuai Is.
- pweleensis H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 59): 2 (1989)—Vanuatu.
- pyramidos H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 22 (1989)—Vanuatu.
- quinarius H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 23 (1989)—Vanuatu.
- rabaulensis H. St. John, *Pandanus Bismarck & Admiralty Is.* (Rev. Gen. Pandanus, 51): 42 (1989)—New Britain.
- radiatus H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 24 (1989)—Tubuai Is.
- radifer H. St. John, *Pandanus of New Hebrides* (Revis. Gen. Pandanus, 60): 24 (1989)—Vanuatu.
- raiateaensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson* (Rev. Gen. Pandanus, 49): 27 (1989)—Society Is.
- raroiaensis H. St. John, *Pandanus of Tuamotu Archip.* (Revis. Gen. Pandanus, 53): 15 (1989)—Tuamotu Is.
- raynallii K.-L. Huynh in *Bot. Helvetica*, 98(1): 28 (1988)—Mali.
- recavilapideus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 30 (1989)—New Caledonia.
- recavisaxosus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 46 (1989)—New Caledonia.
- rectus H. St. John, *Pandanus of New Caledonia* (Revis. Gen. Pandanus, 61): 31 (1989)—New Caledonia.
- rikiteaensis H. St. John, *Rev. Gen. Pandanus, Pt. 48, Gambier Is., Polynesia*: 9 (1988)—Tuamotu Is.
- rimataraensis H. St. John, *Rev. Gen. Pandanus, 50, Austral Is., French Polynesia*: 27 (1989)—Tubuai Is.

**PANDANUS** :-

- rurutuensis H. St. John, *Rev. Gen. Pandanus*, 50, *Austral Is., French Polynesia*, 28 (1989)—Tubuai Is.
- saltuarius H. St. John, *Rev. Gen. Pandanus*, 50, *Austral Is., French Polynesia*: 30 (1989)—Tubuai Is.
- samoanus (Martelli) H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 14 (1989): P. calostigma f. samoana.
- savaiensis (Martelli) H. St. John, *Pandanus of Samoa (Revis. Gen. Pandanus, 54)*: 14 (1989): P. tectorius var. savaiensis.
- semipilaris H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 63 (1989)—New Caledonia.
- senegalensis St. John ex K.L. Huynh in *Candollea*, 42(1): 135 (1987)—Senegal.
- sierraleonensis K.L. Huynh in *Bot. Helvetica*, 98(2): 174 (1988)—Sierra Leone.
- sinuosus H. St. John, *Rev. Gen. Pandanus*, Pt. 48, *Gambier Is., Polynesia*: 11 (1988)—Tuamotu Is.
- spheniskos H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 32 (1989)—New Caledonia.
- spissus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 8 (1989)—New Caledonia.
- stipifloris H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 34 (1989)—New Caledonia.
- subaequalis H. St. John, *Remaining Polynesian spp. (Revis. Gen. Pandanus, 59)*: 6 (1989)—Wallis Is.
- subcylindricus H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 35 (1989)—New Caledonia.
- sykesii H. St. John, *Pandanus of Cook Is. (Rev. Gen. Pandanus, 47)*: 13 (1989)—Cook Is.
- taepa (F. Brown) H. St. John, *Pandanus in Marquesas Is. (Revis. Gen. Pandanus, 57)*: 10 (1989): P. tectorius var. taepa.
- tahaensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson (Rev. Gen. Pandanus, 49)*: 28 (1989)—Society Is.
- takaroensis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 17 (1989)—Tuamotu Is.
- tapeinos H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson (Rev. Gen. Pandanus, 49)*: 31 (1989)—Society Is.
- taravaensis H. St. John, *Rev. Gen. Pandanus*, Pt. 48, *Gambier Is., Polynesia*: 12 (1988)—Tuamotu Is.
- tectorius  
var. exiguus (Moore) B.C. Stone in *Bot. J. Linn. Soc.*, 97(1): 44 (1988): P. tahitensis var. exiguus.
- tiassaleensis K.-L. Huynh in *Bot. Jahrb.*, 109(3): 354 (1988)—Ivory Coast.
- tikeiensis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 19 (1989)—Tuamotu Is.
- tima H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 20 (1989)—Tuamotu Is.
- timoensis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 21 (1989)—Tuamotu Is.
- tongaensis H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 12 (1989), nom. nov.: P. odoratissimus var. pyriformis Martelli in *Univ. Calif. Publ. Bot.*, 12: 358 (1930).
- tongatapuensis H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 14 (1989)—Tonga.
- trapeus H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 23 (1989)—Tuamotu Is.
- triangularis H. St. John ex K.L. Huynh in *Bot. Helvetica*, 98(2): 182 (1988)—Sierra Leone.
- tritosphericus H. St. John, *Rev. Gen. Pandanus*, Pt. 48, *Gambier Is., Polynesia*: 14 (1988)—Tuamotu Is.
- tupaensis H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson (Rev. Gen. Pandanus, 49)*: 33 (1989)—Society Is.
- uea H. St. John, *Pandanus in Leeward Soc. Is., Meitia, & Henderson (Rev. Gen. Pandanus, 49)*: 34 (1989)—Society Is.

**PANDANUS** :-

- vahitahiensis H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 25 (1989)—Tuamotu Is.
- vavauensis H. St. John, *Pandanus of Tonga, Polynesia (Revis. Gen. Pandanus, 56)*: 15 (1989)—Tonga.
- veillonii H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 37 (1989)—New Caledonia.
- verticalis H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 38 (1989)—New Caledonia.
- virginalis H. St. John, *Rev. Gen. Pandanus*, 50, *Austral Is., French Polynesia*: 33 (1989)—Tubuai Is.
- virii H. St. John, *Pandanus of Tuamotu Archip. (Revis. Gen. Pandanus, 53)*: 26 (1989)—Tuamotu Is.
- wilderi H. St. John, *Pandanus of Cook Is. (Rev. Gen. Pandanus, 47)*: 15 (1989)—Cook Is.
- yalna R. Tucker in *Austrobaileya*, 2(3): 288 (1986)—Australia (Queensland).
- yandeensis H. St. John, *Pandanus of New Caledonia (Revis. Gen. Pandanus, 61)*: 65 (1989)—New Caledonia.
- yoshioi H. St. John, *Pandanus of Loyalty Is. (Revis. Gen. Pandanus, 62)*: 12 (1990)—New Caledonia.
- yunckeri H. St. John, *Pandanus on Niue Is., Polynesia (Rev. Gen. Pandanus, 52)*: 5 (1989)—Niue.

**PANDIACA** (Amaranthac.).

- cylindrica (Schweinf.) B.D. Jackson in *Index Kewensis*, 2: 409 (1894): Cyathula cylindrica.
- heudelotii (Moq.) B.D. Jackson in *Index Kewensis*, 2: 409 (1894): Achyranthes heudelotii.
- involuta (Moq.) B.D. Jackson in *Index Kewensis*, 2: 409 (1894): Achyranthes involuta.

**PANDOREA** (Bignoniace.).

- pandorana  
subsp. austrocaledonica (Bureau) P.S. Green in *Kew Bull.*, 45(2): 236 (1990): Tecoma austrocaledonica.

**PANICUM** (Gramin.).

- subgen. Agrostoides (Hitchcock) F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 292 (1987 publ. March 1988): P. group Agrostoidia.
- sect. Bulbosa F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 294 (1987 publ. March 1988).
- sect. Discrepantia F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 294 (1987 publ. March 1988).
- sect. Lorea F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 297 (1987 publ. March 1988).
- sect. Prionitia F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 294 (1987 publ. March 1988).
- sect. Rudgeana (Hitchcock) F.O. Zuloaga in *Ann. Missouri Bot. Gard.*, 74(3): 470 (1987): P. Group Rudgeana.
- subgen. Steinchisma (Rafinesque) F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 300 (1987 publ. March 1988): gen. Steinchisma.
- sect. Tuerckheimiana (Hitchcock) F.O. Zuloaga in T.R. Soderstrom et al. (eds.), *Grass Syst. & Evol.*: 296 (1987 publ. March 1988): P. group Tuerckheimiana.
- sect. Valida F. Zuloaga & O. Morrone in *Syst. Bot.*, 14(2): 228 (1989).
- acostia R.D. Webster in *Sida*, 13(4): 396 (1989), nom. nov.: Acostia gracilis Sw.
- acuminatum  
var. densiflorum (Rand & Redfield) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. nitidum var. densiflorum.
- var. implicatum (Scribn.) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. implicatum.
- var. lindheimeri (Nash) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. lindheimeri.
- var. longiligulatum (Nash) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. longiligulatum.
- var. thuronii (Scribn. & Smith) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. thuronii.
- var. villosum (A. Gray) C.F. Reed in *Phytologia*, 67(6): 451 (1989): P. nitidum var. villosum.

**PANICUM** :-

- ambiguum (DC.) Le Turquier de Longchamp, *Fl. Environs de Rouen*: 28 (1816): Paspalum ambiguum.
- annuale H. St. John in *Phytologia*, 63(5): 368 (1987)—Hawaiian Is.
- assurgens H. St. John in *Phytologia*, 63(5): 368 (1987)—Hawaiian Is.
- baltodes H. St. John in *Phytologia*, 63(5): 368 (1987)—Hawaiian Is.
- bifurcatum H. St. John in *Phytologia*, 63(5): 368 (1987)—Hawaiian Is.
- bullockii S.A. Renvoize in *Kew Bull.*, 44(3): 543 (1989)—Zambia.
- cookei H. St. John in *Phytologia*, 63(5): 368 (1987)—Hawaiian Is.
- curviflorum  
var. suishaense (Hayata) J.F. Veldkamp in *Blumea*, 34(1): 81 (1989): Panicum suishaense.
- dichotomum  
var. clutei (Nash) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. clutei.
- var. ensifolium (Baldwin ex Elliott) C.F. Reed in *Phytologia*, 67(6): 453 (1989): P. ensifolium.
- var. tenue (Muhl.) C.F. Reed in *Phytologia*, 67(6): 453 (1989): P. tenue.
- ekeanum H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- fauriei  
var. carteri (Hosaka) G. Davidse in *Ann. Missouri Bot. Gard.*, 77(3): 589 (1990): P. carteri.
- var. latius (St. John) G. Davidse in *Ann. Missouri Bot. Gard.*, 77(3): 589 (1990): P. nubigenum var. latius.
- furtivum H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- glandulopaniculatum S.A. Renvoize in *Kew Bull.*, 44(3): 544 (1989)—Malawi, Zambia, Zimbabwe, Mozambique, South Africa (Natal).
- hobdyi H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- honokowaiense H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- infravale H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- johnii S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(1): 184 (1986)—India.
- kahiliense H. St. John in *Phytologia*, 63(5): 369 (1987), as 'kahiliensis'—Hawaiian Is.
- kahoolawense H. St. John in *Phytologia*, 63(5): 369 (1987)—Hawaiian Is.
- kanaioense H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- kaonohuense H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- kasumense S.A. Renvoize in *Kew Bull.*, 44(3): 546 (1989)—Zimbabwe.
- knudsenii H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- kokeense H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- kukaiwaaense H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- latzii R.D. Webster, *Australian Paniceae (Poac.)*: 132 (1987)—Australia (N. Terr., W. Australia, Queensland).
- lihaense H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- lineale H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- longiloreum M.M. Rahman in *Kew Bull.*, 44(3): 485 (1989)—Thailand, Vietnam.
- longivagatum H. St. John in *Phytologia*, 63(5): 370 (1987)—Hawaiian Is.
- malikoense H. St. John in *Phytologia*, 63(5): 371 (1987)—Hawaiian Is.
- maximum  
subsp. pubescens M. Sharma in *J. Econ. Taxon. Bot.*, 7(1): 106 (1985)—India.
- mokuleiaense H. St. John in *Phytologia*, 63(5): 371 (1987)—Hawaiian Is.
- nephelophilum  
var. levius H. St. John in *Phytologia*, 63(5): 371 (1987)—Hawaiian Is.
- ninoleense H. St. John in *Phytologia*, 63(5): 371 (1987)—Hawaiian Is.
- nymphoides S.A. Renvoize in *Kew Bull.*, 44(3): 545 (1989)—Malawi.

**PANICUM :-**

- oense *H. St. John in Phytologia*, 63(5): 371 (1987)—Hawaiian Is.  
 ovale  
   *var. addisonii* (Nash) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. addisonii.  
 pepeopaeense *H. St. John in Phytologia*, 63(5): 371 (1987), nom. nov.: P. imbricatum *var. molokaiense Skottsb.*  
 perangustatum *S.A. Renvoize in Kew Bull.*, 44(3): 545 (1989)—Zambia.  
 phippisii *S.A. Renvoize in Kew Bull.*, 44(3): 546 (1989)—Zambia.  
 pilgerianum (Schweick.) W.D. Clayton in *Kew Bull.*, 42(2): 402 (1987): *Acroceras pilgerianum*.  
 pseudoracemosum *S.A. Renvoize in Kew Bull.*, 44(3): 544 (1989)—Zambia, Tanzania, Burundi, Zaire.  
 sabulorum  
   *var. patulum* (Scribn. & Merrill) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. nashianum *var. patulum*.  
   *var. thinium* (Hitchc. & Chase) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. unciphyllum *var. thinium*.  
 serotinum (Walt.) C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 194 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984): Basionym not stated.  
 simplex *H. St. John in Phytologia*, 63(5): 371 (1987)—Hawaiian Is.  
 smithii *M.M. Rahman in Blumea*, 34(1): 173 (1989)—Vietnam.  
 soderstromii *F.O. Zuloaga & T. Sendulsky in Ann. Missouri Bot. Gard.*, 75(2): 446 (1988)—Brazil.  
 strigosum  
   *var. glabrescens* (Grisebach) C.F. Reed in *Phytologia*, 67(6): 452 (1989): P. dichotomum *var. glabrescens*.  
   *var. puberula* C.F. Reed in *Phytologia*, 67(6): 452 (1989), nom. nov.: P. leucoblepharis Trin.  
 subglabrum *H. St. John in Phytologia*, 63(5): 372 (1987)—Hawaiian Is.  
 subtiliracemosum *S.A. Renvoize in Kew Bull.*, 42(4): 922 (1987)—Brazil.  
 sylvanum *H. St. John in Phytologia*, 63(5): 372 (1987)—Hawaiian Is.  
 waikoloaense *H. St. John in Phytologia*, 63(5): 372 (1987)—Hawaiian Is.  
 waimeaense *H. St. John in Phytologia*, 63(5): 372 (1987)—Hawaiian Is.  
 wilburii *H. St. John in Phytologia*, 63(5): 372 (1987), as 'wilburi'—Hawaiian Is.  
 wiliwilinuiense *H. St. John in Phytologia*, 63(5): 372 (1987)—Hawaiian Is.  
 zambesiense *S.A. Renvoize in Kew Bull.*, 44(3): 544 (1989)—Zimbabwe, Zambia.

**PANISEA** (Orchidac.).

- distelidia *I.D. Lund in Nordic J. Bot.*, 7(5): 519 (1987)—Thailand.  
 tricallosa  
   *var. garrettii* I.D. Lund in *Nordic J. Bot.*, 7(5): 524 (1987)—Thailand.  
 zeylanica (Hook. f.) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988): *Coelogyne zeylanica*.

**PANOPSIS** (Proteac.).

- cuaensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(3): 612 (1987)—Venezuela.  
 parimensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(3): 612 (1987)—Venezuela.

**PAPAVER** (Papaverac.).

- sect. Californicum *J.W. Kadereit in Rhodora*, 90(861): 11 (1988).  
 sect. Dubia *A.D. Mikheev in Bot. Zhurn.*, 71(6): 808 (1986).  
 alberti *A.D. Mikheev in Bot. Zhurn.*, 71(6): 809 (1986)—U.S.S.R. (Caucasus).  
 alpinum  
   *subsp. lapeyrousianum* (Guterm.) J.W. Kadereit in *Bot. Jahrb.*, 112(1): 84 (1990): P. lapeyrousianum.  
 arachnoideum *J.W. Kadereit in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 250 (1988 publ. 1989)—Turkey.  
 argemone  
   *subsp. davisii* J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 38 (1986)—Turkey.

**PAPAVER :-**

- f. littoralis* R. Corillion, C. Figureau & M. Godeau in *Bull. Soc. Sci. Nat. Ouest France*, n.s., 9(4): 151 (1987), without type—France.  
 subsp. meikleii *J.W. Kadereit in Notes Roy. Bot. Gard. Edinburgh*, 44(1): 38 (1986), as 'meiklii'—Cyprus.  
 subsp. minus (Boiv.) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 39 (1986): *Closterandra minor*.  
 subsp. nigrotinctum (Fedde) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 37 (1986): P. nigrotinctum.  
 baitagense *R.V. Kamelin & I.A. Gubanov in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 86 (1990)—Mongolia.  
 changaicum *R.V. Kamelin in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 87 (1990)—Mongolia.  
 commutatum  
   *subsp. euxinum* J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 257 (1988 publ. 1989)—Turkey.  
 dubium  
   *subsp. erosum* (Litv.) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 246 (1988 publ. 1989): P. laevigatum *var. erosum*.  
   *subsp. glabrum* (Royle) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 247 (1988 publ. 1989): P. glabrum.  
   *subsp. laevigatum* (M. Bieb.) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 244 (1988 publ. 1989): P. laevigatum.  
 gorgoneum  
   *subsp. theresias* J.W. Kadereit & W. Lobin in *Nordic J. Bot.*, 9(6): 646 (1990)—Cape Verde Is.  
 ×kobayashii *G. Siniscalco Gigliano in Delpinoa*, 23–24: 68 (1981–1982 publ. 1985)—Cultivation. (P. bracteatum × somniferum).  
 macrostomum  
   *var. bornmuelleri* (Fedde) J.W. Kadereit in *Nordic J. Bot.*, 7(5): 504 (1987): P. bornmuelleri.  
   *var. dalechianum* (Fedde) J.W. Kadereit in *Nordic J. Bot.*, 7(5): 504 (1987): P. dalechianum.  
 montenegrinum (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 145 (1916–1920 publ. 1926): P. rhoecus *var. montenegrinum*.  
 nudicaule  
   *var. glabricarpum* P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 17 (1989)—China.  
   *var. seticarpum* P.Y. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 18 (1989)—China.  
 pavoninum  
   *subsp. ocellatum* (Woron) J.W. Kadereit in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 30 (1986): P. ocellatum.  
 persicum  
   *var. brachycarpum* (O. Kuntze) Kit Tan in *Pl. Syst. Evol.*, 154(1–2): 113 (1986): P. pilosum *var. brachycarpum*.  
   *subsp. fulvum* Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1–2): 111 (1986)—Turkey.  
 purpureomarginatum *J.W. Kadereit in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 235 (1988 publ. 1989)—Turkey, Karpathos, East Aegean Is., Crete, Greece, Cyprus.  
 radicatum  
   *var. pygmaeum* (Rydb.) S.L. Welsh in *Great Basin Nat.*, 46(2): 259 (1986): P. pygmaeum.  
 rechingeri *J.W. Kadereit in Notes Roy. Bot. Gard. Edinburgh*, 45(2): 249 (1988 publ. 1989)—Iraq, Iran.  
 rubroaurantiacum  
   *subsp. chalthorum* R.V. Kamelin in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 88 (1990)—Mongolia.  
 somniferum  
   *var. leucum* (Rothm.) K. Hammer in *Feddes Repert.*, 98(11–12): 555 (1987): P. glaucum *var. leucum*.  
 victoris *M. Skornik & T. Wraber in Biol. Vestn.*, 36(3): 82 (1988)—Jugoslavia.

**PAPHINIA** (Orchidac.).

- benzingii *C.H. Dodson & T. Neudecker in Orchidee*, 41(6): 233 (1990)—Ecuador.  
 herrerae *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 565 (1989)—Ecuador.

**PAPHINIA :-**

- hirtzii *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 566 (1989)—Ecuador.  
 seegeri *G. Gerlach in Orchidee*, 40(1): 20 (1989)—Colombia.  
 var. semialba *G. Gerlach in Orchidee*, 40(1): 21 (1989), as 'semi-alba'—Colombia.

**PAPHIOPEDILUM** (Orchidac.).

- sect. Parvisepalum (Karasawa & Saito) P. Cribb, *Genus Paphiopedilum*: 86 (1987): P. subgen. Parvisepalum.  
 appletonianum  
   *var. immaculata* G.J. Braem, *Paphiopedilum*: 151 (1988)—Locality not stated.  
 armeniacum  
   *var. mark-fun* J.A. Fowlie in *Orchid Dig.*, 51(4): 205 (1987), ? contrary to Art. 23.6 ICBN (1983)—China.  
 braemii *H. Mohr in Orchidee*, 51(6): 175 (1989)—Sumatra.  
 bullenianum  
   *var. celebesense* (Fowlie & Birk) P. Cribb, *Genus Paphiopedilum*: 167 (1987): P. celebesense.  
 callosum  
   *var. sublaeve* (Reichb. f.) P. Cribb, *Genus Paphiopedilum*: 188 (1987): *Cypripedium callosum* *var. sublaeve*.  
   *var. viridiflorum* (Hort.) G.J. Braem, *Paphiopedilum*: 199 (1988), basionym without descr. in cited publ.: *Cypripedium callosum* *var. viridiflorum*.  
 chamberlainianum  
   *var. liemianum* (Fowlie) G.J. Braem, *Paphiopedilum*: 229 (1988): P. chamberlainianum *subsp. liemianum*.  
   *var. primulinum* (M.W. Wood & P. Taylor) G.J. Braem, *Paphiopedilum*: 230 (1988): P. primulinum.  
 concolor  
   *var. album* G.J. Braem, *Paphiopedilum*: 51 (1988), without type—Locality not stated.  
 dolliei *E. Lückel in Orchidee*, 38(5): 266 (1987)—China.  
 emersonii *H. Koopowitz & P. Cribb in Orchid Advocate*, 12(3): 86 (1986)—China.  
 ×expansum *J. Atwood in Orchid Rev.*, 97(1148): 183 (1989)—Philippine Is. (P. hennisianum × philippinense).  
 glanduliferum  
   *var. gardineri* G.J. Braem, *Paphiopedilum*: 69 (1988), without type—Locality not stated.  
   *var. praestans* (Rchb. f.) G.J. Braem, *Paphiopedilum*: 69 (1988): *Cypripedium praestans*.  
   *var. wilhelminae* (L.O. Williams) P.J. Cribb in *Kew Mag.*, 3(4): 160 (1986); et P. Cribb, *Genus Paphiopedilum*: 111 (1987): P. wilhelminae.  
 ×godefroyae  
   *var. ang-thong* (Fowlie) G.J. Braem, *Paphiopedilum*: 57 (1988): P. × ang-thong.  
 hainanense *J.A. Fowlie in Orchid Dig.*, 51(2): 69 (1987), as 'hainanensis'—Hainan.  
 hennisianum  
   *var. fowliei* (Birk) P. Cribb, *Genus Paphiopedilum*: 190 (1987): P. fowliei.  
 henryanum *G.J. Braem in Schlechteriana*, 1(1): 4 (1987)—China, Vietnam.  
 hirsutissimum  
   *var. chiwuanum* (Tang & Wang) P. Cribb, *Genus Paphiopedilum*: 140 (1987): P. chiwuanum.  
   *var. esquirolei* (Schltr.) P. Cribb, *Genus Paphiopedilum*: 140 (1987): P. esquirolei.  
 hookerae  
   *var. volonteum* (Sander) G.J. Braem, *Paphiopedilum*: 147 (1988): *Cypripedium volonteum*.  
 insigne  
   *var. barbigerum* (Tang & Wang) G.J. Braem, *Paphiopedilum*: 113 (1988): P. barbigerum.  
 lawrenceanum  
   *var. hyeaenum* (L. Linden & Rodigas) G.J. Braem, *Paphiopedilum*: 203 (1988): *Cypripedium lawrenceanum* *var. hyeaenum*.  
 lowii  
   *var. aureum* P.J. Cribb in *Orchid Rev.*, 98(1158): 109 (1990)—Borneo (Sarawak).



**PAPHIOPEDILUM**—

- markianum *J.A. Fowlie in Orchid Dig.*, 54(3): 125 (1990)—China.
- micranthum  
*var. eburneum J.A. Fowlie in Orchid Dig.*, 53(3): 133 (1989), without latin descr. or type—China.
- var. marginatum J.A. Fowlie in Orchid Dig.*, 53(3): 139 (1989), without latin descr. or type—China.
- mohrianum *G.J. Braem in Orchid Dig.*, 53(2): 73 (1989)—Lesser Sunda Is.
- philippinense  
*var. roebelenii (Veitch) P. Cribb, Genus Paphiopedilum*: 100 (1987): *Cypripedium philippinense* var. *roebelenii*.
- primulinum  
*var. purpurascens (M. Wood) P. Cribb, Genus Paphiopedilum*: 131 (1987): *P. victoria-regina* f. *purpurascens*.
- richardianum *J.H. Asher & J.H. Beaman in Orchid Dig.*, 52(2): 61 (1988)—Celebes.
- sangii *G.J. Braem in Orchidee*, 38(4): 169 (1987)—Celebes.
- schoeri *G.J. Braem & H. Mohr in Schlechteriana*, 1(2): 19 (1988)—Moluccas.
- superbiens  
*var. curtisii (Rech. f.) G.J. Braem, Paphiopedilum*: 214 (1988): *Cypripedium curtisii*.
- var. sanderæ (Curtis) G.J. Braem, Paphiopedilum*: 214 (1988): *Cypripedium curtisii* var. *sanderæ*.
- tigrinum *H. Koopowitz & N. Hasegawa in Orchid Advocate*, 16(3): 78 (1990)—China.
- topperi *G.J. Braem & H. Mohr in Schlechteriana*, 1(2): 15 (1988)—Borneo (Kalimantan).
- villosum  
*var. affine (De Wildeman) G.J. Braem, Paphiopedilum*: 119 (1988): *P. affine*.
- var. gratixianum (Masters) G.J. Braem, Paphiopedilum*: 119 (1988): *Cypripedium gratixianum*.

**PAPYRUS** (Cyperac.).

- auricomus (*Sieb. ex Spreng.*) *Schräd., Ind. Sem. Hort. Acad. Gott.*, 1835: 5 (1835); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984): *Cyperus auricomus*.

**PARABOEIA** (Gesneriac.).

- barbatipes *K.Y. Pan in Acta Phytotax. Sin.*, 26(6): 441 (1988)—China.
- nagalandiana *D.B. Deb & R. Dutta in J. Bombay Nat. Hist. Soc.*, 85(1): 168 (1988)—India.
- rufescens  
*var. umbellata (Drake) K.Y. Pan in Fl. Reipubl. Popul. Sin.*, 69: 467 (1990): *Boea umbellata*.

**PARACARYUM** (Boraginac.).

- crista-galli (*Rech. f. & H. Riedl*) *D. Heller in D. Heller & C.C. Heyn, Conspect. Fl. Oriental.*, 3: 93 (1986): *Mattiastrium crista-galli*.
- densum (*Rech. f. & H. Riedl*) *D. Heller in D. Heller & C.C. Heyn, Conspect. Fl. Oriental.*, 3: 93 (1986): *Mattiastrium densum*.
- gorganicum (*H. Riedl*) *D. Heller in D. Heller & C.C. Heyn, Conspect. Fl. Oriental.*, 3: 93 (1986): *Mattiastrium gorganicum*.
- nigrum (*H. Riedl*) *D. Heller in D. Heller & C.C. Heyn, Conspect. Fl. Oriental.*, 3: 94 (1986): *Mattiastrium nigrum*.
- pygmaeum (*Rech. f.*) *D. Heller in D. Heller & C.C. Heyn, Conspect. Fl. Oriental.*, 3: 95 (1986): *Mattiastrium pygmaeum*.

**PARACHAMPIONELLA** (Acanthac.).

- glandulifera (*Hatusima*) *S.S. Ying in Quart. J. Chinese Forest.*, 21(2): 113 (1988): *Strobilanthes glandulifera*.

**PARACTAENUM** (Gramin.).

- novae-hollandiae  
*subsp. reversum (F. Muell.) R.D. Webster, Australian Paniceae (Poac.)*: 147 (1987): *Panicum reversum*.
- refractum (*F. Muell.*) *R.D. Webster, Australian Paniceae (Poac.)*: 148 (1987): *Setaria refracta*.

**PARADERIS** (Miq.)

- R. Geesink, *Scala Millettiaeum* (Leiden Bot. Ser., 8): 109 (1984): *Derris* sect. *Paraderis* (Legumin.).
- cuneifolia (*Benth.*) *R. Geesink, Scala Millettiaeum* (Leiden Bot. Ser., 8): 109 (1984): *Derris cuneifolia*.

**PARAEREMOSTACHYS** T.A. Adylov, R.V.

- Kamelin & A.M. Makhmedov in *Novosti Sist. Vyssh. Rast.*, 23: 112 (1986). **LABIATAE**.
- sect. *Thyrsiflorae (Rech. f.) T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys* sect. *Thyrsiflorae*.
- ammophila (*Rech. f.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 114 (1986): *Eremostachys ammophila*.
- anisochila (*Pazij & Vved.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys anisochila*.
- aralensis (*Bunge*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys aralensis*.
- badakhschanica (*Hedge*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys badakhschanica*.
- desertorum (*Regel*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys desertorum*.
- dshungarica (*M. Pop.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys phlomoides* f. *dshungarica*.
- ghorana (*Rech. f.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 114 (1986): *Eremostachys ghorana*.
- karatavica (*Pav.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys karatavica*.
- lindbergii (*Rech. f.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 114 (1986): *Eremostachys lindbergii*.
- paniculata (*Regel*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys paniculata*.
- persimilis (*Aitch. & Hemsl.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 114 (1986): *Eremostachys persimilis*.
- phlomoides (*Bunge*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys phlomoides*.
- sogdiana (*Pazij & Vved.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys sogdiana*.
- thyrsiflora (*Benth.*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys thyrsiflora*.
- transoxana (*Bunge*) *T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in Novosti Sist. Vyssh. Rast.*, 23: 113 (1986): *Eremostachys transoxana*.

**PARAFESTUCA** E.B. Alekseev in *Byull. Mosk.*

- Obshch. Ispyt. Priir., Biol.*, 90(5): 107 (1985). **GRAMINEAE**.
- albida (*Love*) *E.B. Alekseev in Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 90(5): 108 (1985): *Festuca albida*.

**PARAGUTZLAFFIA** H.P. Tsui in *Acta Bot.*

- Yunnanica*, 12(3): 273 (1990). **ACANTHACEAE**.
- henryi (*Hemsl.*) *H.P. Tsui in Acta Bot. Yunnanica*, 12(3): 274 (1990): *Strobilanthes henryi*.
- lyi (*Levl.*) *H.P. Tsui in Acta Bot. Yunnanica*, 12(3): 274 (1990): *Ruellia lyi*.

**PARAHEBE** (Scrophulariac.).

- decorosa (*F. Muell.*) *B.G. Briggs & F. Ehrendorfer in Fl. S. Australia*, 3: 1301 (1986): *Veronica decorosa*.

**PARALEPISTEMON** J. Lejoly & S. Lisowski in *Bull.*

- Jard. Bot. Nation. Belg.*, 56(1–2): 196 (1986). **CONVOLVULACEAE**.
- curtoi (*Rendle*) *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 272 (1987): *Ipomoea curtoi*.
- shirensis (*Oliv.*) *J. Lejoly & S. Lisowski in Bull. Jard. Bot. Nation. Belg.*, 56(1–2): 197 (1986): *Ipomoea shirensis*.

**PARAMAMMEA** J.F. Leroy in *Compt. R. Hebd.*

- Séances Acad. Sci., D (Paris)*, 284(16): 1524 (1977). **GUTTIFERAE**.
- megaphylla *J.F. Leroy in Compt. R. Hebd. Séances Acad. Sci., D (Paris)*, 284(16): 1524 (1977)—Madagascar.

**PARAMOMUM** S.Q. Tong in *Acta Bot. Yunnanica*,

- 7(3): 309 (1985). **ZINGIBERACEAE**.
- petaloideum *S.Q. Tong in Acta Bot. Yunnanica*, 7(3): 310 (1985)—China.

**PARAMYRCIARIA** (Myrtac.).

- ciliolata (*Camb.*) *A.D. Rotman in Bol. Soc. Argent. Bot.*, 24(3–4): 418 (1986): *Eugenia ciliolata*.

**PARAPHLOMIS** (Labiata.).

- albida  
*f. shanghangensis Y.T. Chang & H.B. Chen in Fl. Fujianica*, 4: 633 (1989 publ. 1990)—China.
- shunchangensis *Z.Y. Li & M.S. Li in Fl. Fujianica*, 4: 633 (1989 publ. 1990)—China.

**PARAPHOLIS** (Gramin.).

- longiflora (*Grossh.*) *S.G. Musaev in Bot. Zhurn.*, 72(1): 94 (1987): *Lepturus incurvatus* var. *longiflorus*.

**PARAPIPTADENIA** (Legumin.).

- zehntneri (*Harms*) *M.P.M. de Lima & H.C. de Lima in Rodriguésia*, 36(60): 26 (1984): *Piptadenia zehntneri*.

**PARAPRENANTHES** Chang ex C. Shih in *Acta*

- Phytotax. Sin.*, 26(6): 418 (1988). **COMPOSITAE**.
- auriculiformis *C. Shih in Acta Phytotax. Sin.*, 26(6): 421 (1988)—China.
- heptantha *C. Shih & D.J. Liou in Acta Phytotax. Sin.*, 26(6): 423 (1988)—China.
- longiloba *Ling & C. Shih in Acta Phytotax. Sin.*, 26(6): 421 (1988)—China.
- multiformis *C. Shih in Acta Phytotax. Sin.*, 26(6): 420 (1988)—China.
- pilipes (*Migo*) *C. Shih in Acta Phytotax. Sin.*, 26(6): 424 (1988): *Mycelis sororia* var. *pilipes*.
- prenanthoides (*Hemsl.*) *C. Shih in Acta Phytotax. Sin.*, 26(6): 423 (1988): *Crepis prenanthoides*.
- sagittiformis *C. Shih in Acta Phytotax. Sin.*, 26(6): 420 (1988)—China.
- sororia (*Miq.*) *C. Shih in Acta Phytotax. Sin.*, 26(6): 422 (1988): *Lactuca sororia*.
- sylvicola *C. Shih in Acta Phytotax. Sin.*, 26(6): 419 (1988)—China.
- thirionii (*Levl.*) *C. Shih in Acta Phytotax. Sin.*, 26(6): 424 (1988): *Lactuca thirionii*.
- yunnanensis (*Franch.*) *C. Shih in Acta Phytotax. Sin.*, 26(6): 421 (1988): *Lactuca yunnanensis*.

**PARAPTEROCERAS** L.V. Aver'yanov in *Bot.*

- Zhurn.*, 75(5): 723 (1990). **ORCHIDACEAE**.
- carnosum (*Seidenf.*) *L.V. Aver'yanov in Bot. Zhurn.*, 75(5): 723 (1990): *Tuberolabium carnosum*.
- elobe (*Seidenf.*) *L.V. Aver'yanov in Bot. Zhurn.*, 75(5): 723 (1990): *Pteroceras elobe*.

**PARARDISIA** M.P. Nayar & G.S. Giri in *Bull. Bot.*

- Surv. India*, 28(1–4): 247 (1986 publ. 1988). **MYRSINACEAE**.
- gamblei *M.P. Nayar & G.S. Giri in Bull. Bot. Surv. India*, 28(1–4): 250 (1986 publ. 1988)—Borneo (Sarawak).
- involutrata (*Kurz*) *M.P. Nayar & G.S. Giri in Bull. Bot. Surv. India*, 28(1–4): 248 (1986 publ. 1988): *Ardisia involutrata*.

**PARASTEMON** (Chrysobalanac.).

- grandifructus *G.T. Prance in Brittonia*, 39(3): 366 (1987)—Borneo (Sarawak, Sabah).

**PARATHESIS** (Myrsinac.).

- baruana *C.L. Lundell in Phytologia*, 59(6): 433 (1986)—Panama.
- longipetiolata *C.L. Lundell in Phytologia*, 63(2): 78 (1987)—Costa Rica.
- obovalifolia *C.L. Lundell in Phytologia*, 63(2): 78 (1987)—Costa Rica.

**PARIETARIA** (Urticac.).

- cardiostegia *W. Greuter in Fl. Australia*, 3: 190, 92 (1989)—Australia (New South Wales, W. Australia, N. Terr., S. Australia), Tasmania.

**PARINARI** (Chrysobalanac.).

- costata  
 subsp. polyneura (Miq.) G.T. Prance in *Brittonia*, 39(3): 368 (1987); P. polyneuronum.  
 subsp. rubiginosa (Ridley) G.T. Prance in *Brittonia*, 39(3): 368 (1987); P. costatum var. rubiginosum.  
 papuana  
 subsp. salomonensis (C.T. White) G.T. Prance in *Brittonia*, 39(3): 369 (1987); P. salomonensis.  
 subsp. whitei G.T. Prance in *Brittonia*, 39(3): 369 (1987)—New Guinea (Papua New Guinea, W. Irian).

**PARIS** (Trilliaceae).

- sect. Thibetica H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 132 (1986).  
 cronquistii  
 var. xichouensis H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 113 (1986)—China.  
 delavayi  
 var. ovalifolia H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 115 (1986)—China.  
 fargesii  
 var. brevipedalata (Huang & Yang) Huang & K.C. Yang in *Taiwania*, 34(1): 52 (1989); Daiswa fargesii var. brevipedalata.  
 polyphylla  
 var. alba H. Li & R.J. Mitchell in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 123 (1986)—China.  
 f. latifolia (Wang & Chang) H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 125 (1986); P. polyphylla var. latifolia.  
 f. macrosepala H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 127 (1986)—China.  
 var. minora S.F. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 139 (1988)—China.  
 var. nana H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 123 (1986)—China.  
 var. pseudothibetica H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 126 (1986)—China.  
 setchuenensis (Franch.) V.Yu. Barkalov in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 171 (1988); P. quadrifolia var. setchuenensis.  
 wenxianensis Z.X. Peng & R.N. Zhao in *Acta Bot. Bor.-Occid. Sin.*, 6(2): 133 (1986)—China.

**PARKIA** (Legumin.).

- balslevii H.C.F. Hopkins in *Fl. Neotrop.*, 43: 103 (1986)—Ecuador.  
 biglobosa (Jacq.) R. Br. ex G. Don f. in *Loud. Hort. Brit.*: 277 (1830); cf. D.J. Mabberley in *Bot. Macaronesica*: 6: 65 (1980); Mimosa biglobosa.

**PARNASSIA** (Parnassiaceae).

- sect. Allolobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 46 (1987).  
 ser. Amoena T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 51 (1987).  
 ser. Fimbripetalum T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 51 (1987).  
 ser. Gansuenses T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 52 (1987).  
 ser. Lijiangense T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 43 (1987).  
 ser. Luteae T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 31 (1987).  
 sect. Nectarobilobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 46 (1987).  
 sect. Nectaroquinquelobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 52 (1987).  
 ser. Nectaroquinquelobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 55 (1987).  
 subsect. Nectarotrilobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 31 (1987).  
 ser. Nectarotrilobos T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 32 (1987).  
 sect. Odontohymen T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 29 (1987).  
 ser. Rosulatae T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 28 (1987).  
 ser. Saxifragastrum T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 22 (1987).  
 subsect. Xiphosandra (Franch.) T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 44 (1987); P. sect. Xiphosandra.  
 angustipetala T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 23 (1987)—China.

**PARNASSIA** :-

- aphylla T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 31 (1987)—Xizang, China.  
 cacuminum  
 f. yushuensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 37 (1987)—China.  
 chengkouensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 49 (1987)—China.  
 cordata (Drude) Jien ex T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 37 (1987); P. nubicola var. cordata.  
 degeensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 30 (1987)—China.  
 degenensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 41 (1987)—China.  
 gansuensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 52 (1987)—China.  
 humilis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 27 (1987)—Xizang.  
 kangdingensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 35 (1987)—China.  
 lanceolata T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 34 (1987)—China.  
 lijiangensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 43 (1987)—China.  
 longipetala  
 var. brevipedala Jien ex T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 23 (1987)—China.  
 longshengensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 54 (1987)—China.  
 omeiensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 47 (1987)—China.  
 palustris  
 var. izuinsularis H. Ohba in *J. Jap. Bot.*, 62(5): 139 (1987)—Japan.  
 f. nana T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 56 (1987)—Xinjiang.  
 f. rhodantha H. Ohba & Y. Umezui in *J. Jap. Bot.*, 62(7): 208 (1987)—Japan.  
 var. yakusimensis (Masamune) H. Ohba in *J. Fac. Sci. Univ. Tokyo*, 14(2): 88 (1987); P. yakusimensis.  
 subscaposa C.Y. Wu ex T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 40 (1987)—China.  
 tenuis (Wahlb.) A.P. Khokhryakov, *Analiz Fl. Kolym'skogo Nagor'ya*: 48 (1989); P. palustris var. tenuis.  
 tenuis (Wahlb.) A.P. Khokhryakov & V.N. Pavlov in *Byull. Mosk. Obshch. Ispyt. Priro.*, 94(5): 100 (1989); P. palustris var. tenuis.  
 tibetana Jien ex T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 38 (1987)—Xizang.  
 yanyuanensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 26 (1987)—China.  
 yiliangensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 48 (1987)—China.  
 yulongshanensis T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 25 (1987)—China.

**PARODIA** (Cactac.).

- allosiphon (Marchesi) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus allosiphon.  
 buiningii (F. Buxbaum) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus buiningii.  
 caespitosa (Spegazzini) N.P. Taylor in *Bradleya*, 5: 93 (1987); Echinocactus caespitosus.  
 concinna (Monville) N.P. Taylor in *Bradleya*, 5: 93 (1987); Echinocactus concinnus.  
 crassigibba (F. Ritter) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus crassigibbus.  
 erinacea (Haworth) N.P. Taylor in *Bradleya*, 5: 93 (1987); Cactus erinaceus.  
 herteri (Werdermann) N.P. Taylor in *Bradleya*, 5: 93 (1987); Echinocactus herteri.  
 horstii (F. Ritter) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus horstii.  
 krahni W. Weskamp in *Kakt. And. Sukk.*, 40(3): 60 (1989)—Bolivia.  
 liliputana (Werdermann) N.P. Taylor in *Bradleya*, 5: 93 (1987); Blossfeldia liliputana.  
 mammosa (Lemaire) N.P. Taylor in *Bradleya*, 5: 93 (1987); Echinocactus mammosus.  
 mesembrina  
 var. juanensis W. Weskamp in *Kakt. And. Sukk.*, 41(7): 123 (1990)—Argentina.

**PARODIA** :-

- microsperma  
 subsp. horrida (Brandt) R. Kiesling & O. Ferrari in *Cact. Succ. J. (U.S.A.)*, 62(4): 198 (1990); P. horrida.  
 mueller-melchersii (Backeberg) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus mueller-melchersii.  
 nana W. Weskamp in *Kakt. And. Sukk.*, 41(9): 187 (1990)—Argentina.  
 neohorstii (Theunissen) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus neohorstii.  
 ottonis (Lehmann) N.P. Taylor in *Bradleya*, 5: 93 (1987); Cactus ottonis.  
 var. tortuosa (Link & Otto) N.P. Taylor in *Bradleya*, 5: 93 (1987); Echinocactus tortuosus.  
 rutilans (Daeniker & Krainz) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus rutilans.  
 scopia (Sprengel) N.P. Taylor in *Bradleya*, 5: 93 (1987); Cactus scopia.  
 succinea (F. Ritter) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus succineus.  
 tillii W. Weskamp in *Succulenta*, 67(10): 210 (1988)—Bolivia.  
 tucumanensis W. Weskamp in *Succulenta*, 69(6): 137 (1990)—Argentina.  
 weberioides F. Brandt in *Letzeb. Cacteeffrenn*, 5(2): 29-34 (1984); cf. *Repert. Pl. Succ. (I.O.S.)*, 35: 5 (1985)—Locality not stated.  
 werdermanniana (Herter) N.P. Taylor in *Bradleya*, 5: 93 (1987); Notocactus werdermannianus.

**PARODIOCHLOA** A.M. Molina in *Parodiana*, 4(1):

- 110 (1986). GRAMINEAE.  
 trachyantha (Phil.) A.M. Molina in *Parodiana*, 4(1): 112 (1986); Koeleria trachyantha.

**PARODIOLYRA** T.R. Soderstrom & F.O. Zuloaga in

- Smithsonian Contrib. Bot.*, 69: 64 (1989). GRAMINEAE.  
 lateralis (Presl ex Nees von Esenbeck) T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 66 (1989); Panicum laterale.  
 luetzburgii (Pilger) T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 70 (1989); Olyra luetzburgii.  
 ramosissima (Trinius) T.R. Soderstrom & F.O. Zuloaga in *Smithsonian Contrib. Bot.*, 69: 73 (1989); Olyra ramosissima.

**PARONYCHIA** (Illecebrac.).

- setigera  
 subsp. argillicola T.M. Pedersen in *Fl. Illustr. Entre Rios (Argent.)*, 3: 262 (1987)—Argentina.  
 vulgaris Destreux, *Elenchus Pl.*: 32 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 85 (1983)—Locality not stated.

**PARRYA** (Crucif.).

- arabidiflora (DC.) Sweet, *Hort. Brit.*, ed. 2: 24 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982); Basionym not stated.  
 australis N.V. Pavlov in *Vestn. Akad. Nauk Kaz. SSR*, 1949(1): 28 (1949)—U.S.S.R. (Middle Asia).

**PARTHENOCISSUS** (Vitac.).

- thomsonii (M. Lawson) P. Singh & B.V. Shetty in *Taxon*, 35(3): 596 (1986); Vitis thomsonii.  
 vicaryana (Kurz) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 98 (1990); Vitis vicaryana.

**PARVATIA** (Lardizabalac.).

- elliptica (Hemsl.) M.P. Nayar & T.K. Paul in *Fasc. Fl. India*, 19: 36 (1988); Stauntonia elliptica.

**PASACCARDOA** (Compos.).

- jeffreyi  
 subsp. kasaiensis S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1-2): 257 (1987)—Zaire, Angola.  
 subsp. procumbens S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1-2): 258 (1987)—Zaire.

**PASANIA** (Fagac.).

- brevicaudata  
 var. arisanensis (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 248 (1988); Quercus arisanensis.

**PASANIA** :-

- kuarunensis (Tomiya) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 252 (1988): Synaedrys kuarunensis.  
ternaticupula  
f. subreticulata (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 252 (1988): Quercus subreticulata.

**PASPALIDIUM** (Gramin.).

- reflexum R.D. Webster, *Australian Paniceae* (Poac.): 166 (1987)—Australia (N. Terr., W. Australia, S. Australia).

**PASPALUM** (Gramin.).

- cinerascens (Doell) A.G. Burman & M.N.C. Bastos in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 241 (1988), without exact basionym date: Panicum cinerascens.  
concavum S.A. Renvoize in *Kew Bull.*, 42(4): 921 (1987)—Brazil.  
cultratum (Trin.) A.G. Burman in *Acta Bot. Venezuel.*, 14(4): 90 (1987), without basionym ref.: Basionym not stated.  
dispar  
var. marahuacense H. Rodríguez R. in *Ernstia*, 52: 1 (1989)—Venezuela.  
glabrinode (Hackel) O. Morrone & F. Zuloaga in *Darwiniana*, 29(1-4): 262 (1989): Panicum glabrinode.  
kempffii T.J. Killeen in *Ann. Missouri Bot. Gard.*, 77(1): 179 (1990)—Bolivia.  
lenticulare  
f. intumescens (Doell) T.J. Killeen in *Ann. Missouri Bot. Gard.*, 77(1): 181 (1990): P. plicatum var. intumescens.  
moluccanum Huber, *Cat. 1866*: 6 (1866); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
multinervium A.G. Burman in *Acta Bot. Venezuel.*, 14(4): 90 (1987), nom. nov.: Thrasya reticulata Swallen.  
peregrinum A.G. Burman & Filgueiras in *Acta Bot. Venezuel.*, 14(4): 91 (1987), nom. nov.: Thrasya villosa Hitchc.  
perspicinervium S.A. Renvoize in *Kew Bull.*, 42(4): 922 (1987)—Brazil.  
potamophilum S.A. Renvoize in *Kew Bull.*, 42(4): 922 (1987)—Brazil.  
uyucensis R.W. Pohl in *Ann. Missouri Bot. Gard.*, 73(2): 501 (1986)—Honduras.  
venezuelanum (Chase) A.G. Burman in *Acta Bot. Venezuel.*, 14(4): 90 (1987): Thrasya venezuelana.  
villosum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 105 (1784)—Japan.†

**PASSERINA** (Thymelaeac.).

- drakensbergensis O.M. Hilliard & B.L. Burt, *Bot. South. Natal Drakensberg*: 233 (1987)—South Africa (Natal).

**PASSIFLORA** (Passiflorac.).

- sect. Colombiana L.K. Escobar in *Fl. Colombia*, 10: 26 (1988).  
ser. Colombianae L.K. Escobar in *Fl. Colombia*, 10: 41 (1988).  
sect. Discophora P.M. Jørgensen & J.E. Lawesson in *Nordic J. Bot.*, 7(2): 129 (1987).  
sect. Fimbriatistipula L.K. Escobar in *Fl. Colombia*, 10: 61 (1988).  
ser. Leptomischaee L.K. Escobar in *Fl. Colombia*, 10: 27 (1988).  
sect. Leptopoda Killip ex C. Feuillet & G. Cremers in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(4): 378 (1984), without type.  
subgen. Manicata (Harms) L.K. Escobar in *Fl. Colombia*, 10: 92 (1988): P. ser. Manicatae.  
sect. Parritana (Harms) L.K. Escobar in *Fl. Colombia*, 10: 58 (1988): P. ser. Parritanae.  
subgen. Porphyroanthanthus L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 884 (1989).  
ser. Quindiensae L.K. Escobar in *Fl. Colombia*, 10: 37 (1988).  
amazonica L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 877 (1989)—Peru.  
bicolorata Baxter in *Loud., Encycl. new ed.*: 1234 (1855); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.

**PASSIFLORA** :-

- caatingae L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 880 (1989)—Brazil.  
chlorina L.K. Escobar in *Phytologia*, 67(2): 132 (1989)—Brazil.  
citrina J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 76(1): 354 (1989)—Honduras, Guatemala.  
colombiana L.K. Escobar in *Syst. Bot.*, 11(1): 95 (1986)—Colombia.  
crenata C. Feuillet & G. Cremers in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(4): 378 (1984)—French Guiana.  
cumbalensis  
var. caucana L.K. Escobar in *Syst. Bot.*, 12(2): 242 (1987)—Colombia.  
var. cuencana L.B. Holm-Nielsen & P.M. Jørgensen in *Fl. Ecuador*, 31(126): 75 (1988)—Ecuador.  
var. goudotiana (Triana & Planchon) L.K. Escobar in *Syst. Bot.*, 12(2): 242 (1987): P. goudotiana.  
var. macrochlamys (Harms) L.K. Escobar in *Syst. Bot.*, 12(2): 246 (1987): P. macrochlamys.  
var. mesadenia (Killip) L.K. Escobar in *Syst. Bot.*, 12(2): 246 (1987): P. mesadenia.  
var. orientalis L.B. Holm-Nielsen & P.M. Jørgensen in *Fl. Ecuador*, 31(126): 76 (1988)—Ecuador.  
var. peruana L.K. Escobar in *Syst. Bot.*, 12(2): 249 (1987)—Peru.  
var. pilosa L.K. Escobar in *Syst. Bot.*, 12(2): 249 (1987)—Ecuador.  
var. sparrei (Holm-Nielsen) L.B. Holm-Nielsen & P.M. Jørgensen in *Fl. Ecuador*, 31(126): 76 (1988): P. sparrei.  
deltoifolia L.B. Holm-Nielsen & J.E. Lawesson in *Ann. Missouri Bot. Gard.*, 74(3): 501 (1987)—Ecuador.  
discophora P.M. Jørgensen & J.E. Lawesson in *Nordic J. Bot.*, 7(2): 127 (1987)—Ecuador.  
eglandulosa J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 75(4): 1658 (1988 publ. 1989)—Guatemala, Salvador, Honduras.  
fanchonae C. Feuillet in *Candollea*, 41(1): 175 (1986)—French Guiana.  
fernandezii L.K. Escobar in *Phytologia*, 66(1): 80 (1989)—Bolivia.  
gilbertiana J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 76(2): 610 (1989)—Costa Rica.  
hirtiflora P.M. Jørgensen & L.B. Holm-Nielsen in *Nordic J. Bot.*, 7(2): 132 (1987)—Ecuador.  
huamachucoensis L.K. Escobar in *Syst. Bot.*, 11(1): 88 (1986)—Peru.  
jardinensis L.K. Escobar in *Mutisia*, 71: 4 (1988)—Colombia.  
linearistipula L.K. Escobar in *Fl. Colombia*, 10: 39 (1988)—Colombia.  
lobata (Killip) Hutch. ex J.M. MacDougal in *Phytologia*, 60(6): 446 (1986): Tetrastylis lobata.  
malletii J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 76(4): 1172 (1989)—Panama.  
mayarum J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 76(2): 615 (1989)—Mexico, Guatemala, Belize.  
monadelpha P.M. Jørgensen & L.B. Holm-Nielsen in *Nordic J. Bot.*, 7(2): 129 (1987)—Ecuador.  
montana L.B. Holm-Nielsen & J.E. Lawesson in *Ann. Missouri Bot. Gard.*, 74(3): 499 (1987)—Ecuador.  
nubicola J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 76(2): 608 (1989)—Costa Rica.  
pacificae L.K. Escobar in *Mutisia*, 71: 1 (1988)—Colombia.  
palenquensis L.B. Holm-Nielsen & J.E. Lawesson in *Ann. Missouri Bot. Gard.*, 74(3): 497 (1987)—Ecuador, Colombia.  
pascoensis L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 880 (1989)—Peru.  
pergrandis L.B. Holm-Nielsen & J.E. Lawesson in *Ann. Missouri Bot. Gard.*, 74(3): 501 (1987)—Ecuador.  
plumosa C. Feuillet & G. Cremers in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(4): 381 (1984)—French Guiana.  
pusilla J.M. MacDougal in *Ann. Missouri Bot. Gard.*, 75(1): 392 (1988)—Nicaragua, Costa Rica.  
rufostipulata C. Feuillet in *Candollea*, 41(1): 173 (1986)—French Guiana.  
rugosa  
var. venezolana L.K. Escobar in *Syst. Bot.*, 11(1): 90 (1986)—Venezuela, Colombia.  
runa L.K. Escobar in *Syst. Bot.*, 11(1): 90 (1986)—Peru.

**PASSIFLORA** :-

- sanctae-barbarae L.B. Holm-Nielsen & P.M. Jørgensen in *Nordic J. Bot.*, 7(2): 132 (1987)—Ecuador.  
sierrae L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 884 (1989)—Colombia.  
solomonii L.K. Escobar in *Ann. Missouri Bot. Gard.*, 76(3): 884 (1989)—Bolivia.  
subpurpurea P.M. Jørgensen & L.B. Holm-Nielsen in *Nordic J. Bot.*, 7(2): 131 (1987)—Ecuador.  
tenerifensis L.K. Escobar in *Mutisia*, 71: 6 (1988)—Colombia.  
trifoliata  
var. tarmensis L.K. Escobar in *Syst. Bot.*, 11(1): 93 (1986)—Peru.  
tripartita  
var. azuayensis L.B. Holm-Nielsen & P.M. Jørgensen in *Fl. Ecuador*, 31(126): 79 (1988)—Ecuador.  
var. mollissima (Kunth) L.B. Holm-Nielsen & P.M. Jørgensen in *Fl. Ecuador*, 31(126): 80 (1988): Tacsonia mollissima.  
uribei L.K. Escobar in *Fl. Colombia*, 10: 64 (1988), nom. nov.: P. albicans L. Uribe.  
viridescens L.K. Escobar in *Phytologia*, 66(1): 81 (1989)—Peru.

**PASTINACA** (Umbellif.).

- argyrophylla D. Delipavlov in *Feddes Repert.*, 101(7-8): 342 (1990)—Bulgaria.

**PATERSONIA** (Iridac.).

- lanata  
f. calvata D.A. Cooke in *Fl. Australia*, 46: 220, 23 (1986)—Australia (W. Australia).  
rudis  
subsp. velutina D.A. Cooke in *Fl. Australia*, 46: 220, 22 (1986)—Australia (W. Australia).  
spirafolia G.J. Keighery in *Nuytsia*, 7(2): 137 (1990)—Australia (W. Australia).

×**PAULARA** hort. in *Orchid Rev.*, 94(1116): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (Ascentrum × Doritis × Phalaenopsis × Renanthera × Vanda).

**PAULLINIA** (Sapindac.).

- anomophylla L. Radlkofer, *Monogr. Paullinia*: 106 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 172 (1895-96)—Brazil.  
apoda L. Radlkofer, *Monogr. Paullinia*: 192 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 258 (1895-96)—Colombia.  
bidentata L. Radlkofer, *Monogr. Paullinia*: 129 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 195 (1895-96)—Peru.  
caloptera L. Radlkofer, *Monogr. Paullinia*: 208 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 274 (1895-96)—Brazil, Venezuela.  
castaneifolia L. Radlkofer, *Monogr. Paullinia*: 116 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 182 (1895-96)—Brazil.  
clathrata L. Radlkofer, *Monogr. Paullinia*: 172 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 238 (1895-96)—Brazil.  
conduplicata L. Radlkofer, *Ergänz. Monogr. Serjania*: 100 (1886-87); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 16(1): 100 (1886)—Guyana.  
costaricensis L. Radlkofer, *Ergänz. Monogr. Serjania*: 157 (1886-87); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 16(1): 157 (1886)—Nicaragua.  
cristata L. Radlkofer, *Monogr. Paullinia*: 256 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 322 (1895-96)—Brazil.  
curvicaulis L. Radlkofer, *Monogr. Paullinia*: 171 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 237 (1895-96)—Peru.  
dasygonia L. Radlkofer, *Monogr. Paullinia*: 257 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 323 (1895-96)—French Guiana, Guyana, Trinidad.  
dasystachya L. Radlkofer, *Monogr. Paullinia*: 204 (1895-96); et in *Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 270 (1895-96)—Peru, Bolivia.

**PAULLINIA** :-

- elongata* L. Radlkofer, *Monogr. Paullinia*: 172 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 238 (1895-96)—Peru.
- excisa* L. Radlkofer, *Monogr. Paullinia*: 207 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 273 (1895-96)—Tobago.
- fasciculata* L. Radlkofer, *Monogr. Paullinia*: 58 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 124 (1895-96)—French Guiana, Tobago.
- firma* L. Radlkofer, *Monogr. Paullinia*: 168 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 234 (1895-96)—Brazil.
- fistulosa* L. Radlkofer, *Monogr. Paullinia*: 193 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 259 (1895-96)—Peru.
- fusiformis* L. Radlkofer, *Monogr. Paullinia*: 155 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 221 (1895-96)—Brazil.
- glomerulosa* L. Radlkofer, *Monogr. Paullinia*: 191 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 257 (1895-96)—Mexico, Panama, Venezuela.
- imberbis* L. Radlkofer, *Monogr. Paullinia*: 111 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 177 (1895-96)—Brazil, French Guiana.
- japonica* C.P. Thunberg ex A. Murray in Linnaeus, *Syst. Veg.*, ed. 14: 380 (1784)—Japan.†
- laeta* L. Radlkofer, *Monogr. Paullinia*: 129 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 195 (1895-96)—Peru.
- linearis* L. Radlkofer, *Monogr. Paullinia*: 157 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 223 (1895-96)—Peru.
- livescens* L. Radlkofer, *Monogr. Paullinia*: 182 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 248 (1895-96)—Brazil.
- macrocarpa* L. Radlkofer, *Monogr. Paullinia*: 260 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 326 (1895-96)—Costa Rica.
- mallophylla* L. Radlkofer, *Monogr. Paullinia*: 188 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 254 (1895-96)—Costa Rica.
- microsepala* L. Radlkofer, *Monogr. Paullinia*: 187 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 253 (1895-96)—Windward Is., Leeward Is.
- neuroptera* L. Radlkofer, *Monogr. Paullinia*: 178 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 244 (1895-96)—Windward Is.
- nobilis* L. Radlkofer, *Monogr. Paullinia*: 205 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 271 (1895-96)—Peru, Brazil.
- parvibractea* L. Radlkofer, *Monogr. Paullinia*: 152 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 218 (1895-96)—Brazil.
- platymisca* L. Radlkofer, *Monogr. Paullinia*: 163 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 229 (1895-96)—Brazil.
- quitensis* L. Radlkofer, *Monogr. Paullinia*: 203 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 269 (1895-96)—Ecuador.
- revoluta* L. Radlkofer, *Monogr. Paullinia*: 251 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 317 (1895-96)—Brazil.
- rhomboidea* L. Radlkofer, *Ergänz. Monogr. Serjania*: 23 (1886-87); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 16(1): 23 (1886)—Brazil.
- selenoptera* L. Radlkofer, *Monogr. Paullinia*: 237 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 303 (1895-96)—Peru.
- stellata* L. Radlkofer, *Monogr. Paullinia*: 153 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 219 (1895-96)—French Guiana.
- subauriculata* L. Radlkofer, *Monogr. Paullinia*: 130 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 196 (1895-96)—Peru.
- subnuda* L. Radlkofer, *Monogr. Paullinia*: 208 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 274 (1895-96)—French Guiana, Brazil, Panama, Costa Rica.

**PAULLINIA** :-

- ternata* L. Radlkofer, *Monogr. Paullinia*: 189 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 255 (1895-96)—Brazil.
- trilatera* L. Radlkofer, *Monogr. Paullinia*: 188 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 254 (1895-96)—Brazil.
- uloptera* L. Radlkofer, *Monogr. Paullinia*: 255 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 321 (1895-96)—Brazil.
- urvilleoides* L. Radlkofer, *Monogr. Paullinia*: 125 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 191 (1895-96)—Brazil.
- venezuelana* L. Radlkofer, *Monogr. Paullinia*: 176 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 242 (1895-96)—Venezuela.
- venosa* L. Radlkofer, *Monogr. Paullinia*: 164 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 230 (1895-96)—Surinam, Brazil.
- verrucosa* L. Radlkofer, *Monogr. Paullinia*: 181 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 247 (1895-96)—Guyana.
- xestophylla* L. Radlkofer, *Monogr. Paullinia*: 163 (1895-96); *et in Abh. Königl. Bayer. Akad. Wiss., Math.-Phys. Kl.*, 19(1): 229 (1895-96)—Brazil.

**PAULOWNIA** (Scrophulariac.).

- tormentosa*  
var. *glabrata* (Rehd.) S.Z. Qu in *Fl. Tsinlingensis*, 1(4): 319 (1983): P. *glabrata*.

**PAUSANDRA** (Euphorbiac.).

- fordii* R. de S. Secco in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 3(1): 60 (1987)—French Guiana, Brazil.

**PAVETTA** (Rubiace.).

- diversicalyx* D.M. Bridson in *Kew Bull.*, 42(1): 251 (1987)—Tanzania.
- johnstonii*  
subsp. *breviloba* D.M. Bridson in *Kew Bull.*, 42(1): 253 (1987)—Tanzania, Zambia.
- lynesii* D.M. Bridson in *Kew Bull.*, 42(1): 253 (1987)—Tanzania.
- nitidissima* D.M. Bridson in *Kew Bull.*, 42(1): 255 (1987)—Tanzania.
- subumbellata*  
var. *subcoriacea* D.M. Bridson in *Kew Bull.*, 42(1): 257 (1987)—Tanzania, Malawi.

**PAVONIA** (Malvac.).

- alia* P.A. Fryxell, *Malvac. of Mexico (Syst. Bot. Monog.)*, 25: 315 (1988)—Mexico.
- baumliana* P.A. Fryxell, *Malvac. of Mexico (Syst. Bot. Monog.)*, 25: 317 (1988)—Mexico.
- durangensis* P.A. Fryxell, *Malvac. of Mexico (Syst. Bot. Monog.)*, 25: 321 (1988)—Mexico.
- falconensis* P.A. Fryxell in *Contrib. Univ. Mich. Herb.*, 17: 165 (1990)—Venezuela.
- fryxelliana* F.R. Fosberg & M.-H. Sachet in *Ceylon J. Sci., Biol. Sci.*, 15(1-2): 38 (1982 publ. 1985)—Sri Lanka.
- × *gledhillii* M. Cheek in *Kew Bull.*, 44(1): 146 (1989)—Cultivation. (P. *makoyana* × *multiflora*).
- insperabilis* P.A. Fryxell in *Contrib. Univ. Mich. Herb.*, 17: 168 (1990)—Peru.
- paludicola* Nicolson ex P.A. Fryxell in *R.A. Howard, Fl. Lesser Antilles (Dicot. 2)*, 5: 241 (1989), nom. nov.: *Malache scabra* Vogel.
- uniflora* (Sessé & Mocino) P.A. Fryxell in *Syst. Bot.*, 12(2): 279 (1987): *Urena uniflora*.
- venusta* P.A. Fryxell in *Syst. Bot.*, 12(2): 279 (1987), nom. nov.: P. *discolor* Fryxell.
- windischii* A. Krapovickas in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 361 (1985), without latin descr. or type—Brazil.

**PECTEILIS** (Orchidac.).

- cochinchinensis* (Gagnep.) L.V. Aver'yanov, *Prelim. list Vietnam. Orchids*, 2: 119 (1988): *Parahabenaria cochinchinensis*.

**PECTIS** (Compos.).

- amplifolia* D.J. Keil in *Phytologia*, 67(4): 346 (1989)—Mexico.

**PECTIS** :-

- elongata*  
var. *fasciculiflora* (DC.) D.J. Keil in *Phytologia*, 67(4): 352 (1989): P. *fasciculiflora*.
- exilis* D.J. Keil in *Phytologia*, 67(4): 349 (1989)—Mexico.
- × *floridana* D.J. Keil in *Sida*, 11(4): 389 (1986)—U.S.A. (Florida). (P. *glaucescens* × *prostrata*).
- glaucescens* (Cassini) D.J. Keil in *Sida*, 11(4): 386 (1986): *Chthonia glaucescens*.
- holochaeta* (S.F. Blake) D.J. Keil in *Phytologia*, 67(4): 352 (1989): P. *propetes* var. *holochaeta*.
- var. *cana* D.J. Keil in *Phytologia*, 67(4): 354 (1989)—Mexico.

**PEDDIEA** (Thymelaeac.).

- thulinii* R.P.C. Temu in *Nordic J. Bot.*, 9(4): 405 (1989 publ. 1990)—Tanzania.

**PEDICULARIS** (Scrophulariac.).

- sect. *Astenocaulus* (Tsoong) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 120 (1988): P. subgrex *Astenocaulus*.
- sect. *Brachystachys* (Tsoong) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 105 (1988): P. subgrex *Brachystachys*.
- sect. *Cryptorhynchus* T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 125 (1988).
- sect. *Elephanticeps* T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 124 (1988).
- sect. *Leptochilus* T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 145 (1988).
- sect. *Leptocladus* T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 132 (1988).
- sect. *Nothosigmantha* (Tsoong) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 107 (1988): P. subgrex *Nothosigmantha*.
- sect. *Orthorrhynchus* (Prain) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 114 (1988): P. §§ *Orthorrhyncha*.
- ser. *Perpusillae* Tsoong ex T. Yamazaki in *J. Jap. Bot.*, 61(3): 78 (1986).
- sect. *Rhizophyllastrum* (Tsoong) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 139 (1988): P. subgrex *Rhizophyllastrum*.
- sect. *Saccochilus* T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 156 (1988).
- alaica* A.D. Li in *Opred. Rast. Sred. Azii*, 9: 362 (1987)—U.S.S.R. (Middle Asia).
- anas*  
subsp. *nepalensis* (Yamaz.) T. Yamazaki in *J. Jap. Bot.*, 61(10): 300 (1986): P. *cheilanthifolia* subsp. *nepalensis*.
- anserantha*  
var. *elevatogaleata* (Yamazaki) T. Yamazaki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 128 (1988): P. *elevatogaleata*.
- chamissonis*  
var. *rebusensis* T. Yamazaki in *J. Jap. Bot.*, 62(2): 54 (1987)—Japan.
- daochengensis* H.P. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 29 (1990)—China.
- deqinensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 137 (1990)—China.
- dulongensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 143 (1990)—China.
- gongshanensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 143 (1990)—China.
- kolymensis* A.P. Khokhryakov in *Biol. Rast. i Fl. Sev. Dal'n. Vostok. (ed. M.T. Mazurenko)*: 17 (1981)—U.S.S.R. (Soviet Far East).
- kungeica* M.S. Baitenov in *Izv. Akad. Nauk Kaz. SSR, Biol.*, 1990(4): 84 (1990)—U.S.S.R. (Middle Asia).
- longiflora*  
var. *yinshanensis* Z.Y. Chu & Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 19(1): 175 (1988)—China.



**PEDICULARIS** :-

- muguensis* T. Yamazaki in H. Ohba & S.B. Malla, *Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 104 (1988)—Nepal.
- muscooides*  
*subsp. himalayca* T. Yamazaki in J. Jap. Bot., 61(10): 297 (1986)—Nepal.
- oxyrhyncha* T. Yamazaki in J. Jap. Bot., 61(10): 297 (1986)—Nepal.
- paradoxa* (Prain) T. Yamazaki in J. Jap. Bot., 61(10): 299 (1986): P. *instar* var. *paradoxa*.
- rex*  
*subsp. zayuensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 136 (1990)—Xizang.
- rizhaoensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 141 (1990)—China.
- rohtangensis* B.S. Aswal, A.K. Goel & B.N. Mehrotra in *Feddes Repert.*, 101(3-4): 109 (1990)—India.
- roylei*  
*var. speciosa* (Prain) T. Yamazaki in H. Ohba & S.B. Malla, *Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 101 (1988): P. *roylei* subvar. *speciosa*.
- ruoergaiensis* H.P. Yang in *Acta Phytotax. Sin.*, 27(3): 222 (1986)—China.
- salviiflora*  
*var. leiocarpa* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 136 (1990)—China.
- sceptum-carolinum*  
*var. uniflora* V.G. Sergienko, *Fl. poluostrova Kanin*: 91 (1986)—U.S.S.R. (European Russia).
- sibthorpii*  
*var. eriantha* (Boiss. & Buhse) T.N. Popova in *Fl. Armenii*, 8: 348 (1987), without basionym ref.: P. *comosa* var. *eriantha*.
- var. ochrorrhyncha* (Galushko & T.N. Pop.) T.N. Popova in *Fl. Armenii*, 8: 348 (1987): P. *ochrorrhyncha*.
- spicata*  
*var. bracteata* (Tsoong) S.Y. He in *Fl. Hebeiensis*, 2: 530 (1988): P. *spicata* subsp. *bracteata*.
- weixiensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 139 (1990)—China.
- xiangchengensis* H.P. Yang in *Acta Phytotax. Sin.*, 28(2): 137 (1990)—China.
- yalungensis* T. Yamazaki in J. Jap. Bot., 61(3): 77 (1986)—Nepal.
- yanyuanensis* H.P. Yang in *Acta Phytotax. Sin.*, 27(3): 224 (1989)—China.

**PEDILOCHILUS** (Orchidac.).

- hermonii* P.J. Cribb & B. Lewis in *Orchid Rev.*, 97(1150): 251 (1989)—Vanuatu.

**PEDIOCACTUS** (Cactac.).

- simpsonii*  
*var. indraianus* F. Hochstätter in *Succulenta*, 69(9): 179 (1990)—U.S.A. (Idaho).
- var. nigrispinus* F. Hochstätter in *Succulenta*, 69(9): 178 (1990)—U.S.A. (Oregon, Washington, Idaho).

**PEDIOMELUM** (Legumin.).

- aromaticum* (Payson) S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (1986): *Psoralea aromatica*.
- var. tuihyi* S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (1986)—U.S.A. (Utah).
- digitatum* (Nutt. ex T. & G.) D. Isely in *Sida*, 11(4): 430 (1986): *Psoralea digitata*.
- var. parvifolium* (Shinners) K.N. Gandhi & L.E. Brown in *Sida*, 13(3): 373 (1989): *Psoralea digitata* var. *parvifolia*.
- epipsilum* (Barneby) S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (1986): *Psoralea epipsila*.
- hypogaeum*  
*var. scaposum* (Gray) W.F. Mahler in *Sida*, 12(1): 250 (1987): *Psoralea hypogaea* var. *scaposa*.
- latestipulatum* (Shinners) W.F. Mahler in *Sida*, 12(1): 250 (1987): *Psoralea latestipulata*.
- var. appressum* (Ockendon) K.N. Gandhi & L.E. Brown in *Sida*, 13(3): 373 (1989): *Psoralea latestipulata* var. *appressa*.
- megalanthum*  
*var. epipsilum* (Barneby) J.W. Grimes in *Brittonia*, 38(2): 185 (1986): *Psoralea epipsila*.
- var. retrorsum* (Rydb.) J.W. Grimes in *Brittonia*, 38(2): 185 (1986): P. *retrorsum*.

**PEDIOMELUM** :-

- pariense* (Welsh & Atwood) J.W. Grimes in *Brittonia*, 38(2): 185 (June 1986), isonym: *Psoralea pariensis*.
- pariense* (Welsh & Atwood) S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (April 1986): *Psoralea pariensis*.

**PEGAEOPHYTON** (Crucif.).

- garhwalense* H.J. Chowdhery & S. Singh in *Indian J. Forest.*, 8(4): 335 (1985 publ. 1986)—India.

**PELARGONIUM** (Geraniac.).

- album* J.J.A. van der Walt in *S. Afr. J. Bot.*, 56(1): 65 (1990)—South Africa (Transvaal).
- antidysentericum*  
*subsp. inerme* A.G. Scheltema in *S. Afr. J. Bot.*, 56(3): 293 (1990)—South Africa (Cape Province).
- subsp. zonale* A.G. Scheltema in *S. Afr. J. Bot.*, 56(3): 293 (1990)—South Africa (Cape Province).
- caespitosum*  
*subsp. concavum* L. Hugo in *S. Afr. J. Bot.*, 54(2): 169 (1988)—South Africa (Cape Province).
- caroli-henrici* B. Nordenstam in *Pl. Syst. Evol.*, 155(1-4): 333 (1987)—South Africa (Cape Province).
- caucalisfolium*  
*subsp. convolvulifolium* (Schltr. ex Knuth) J.J.A. van der Walt in *S. Afr. J. Bot.*, 52(5): 459 (1986): P. *convolvulifolium*.
- desertorum* P. Vorster in *S. Afr. J. Bot.*, 52(2): 184 (1986)—South Africa (Cape Province).
- divisifolium* P. Vorster in *S. Afr. J. Bot.*, 53(1): 71 (1987)—South Africa (Cape Province).
- exhibens* P. Vorster in *S. Afr. J. Bot.*, 52(5): 481 (1986)—South Africa (Cape Province).
- longicaule*  
*var. angustipetalum* D.A. Boucher in *S. Afr. J. Bot.*, 52(5): 456 (1986)—South Africa (Cape Province).
- loschgeanum* Mart., *Hort. Acad. Erlangen*: 140 (1814); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984)—Locality not stated.
- luteum* (Andr.) Sm. in Rees, *Cyclop.*, 26(2): *Pelargonium* n. 5 (1813); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.
- molle* Hort. Vindob. ex Hornem., *Hort. Hafn., Suppl.*: 77 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.
- multicale*  
*subsp. subherbaceum* (Knuth) J.J.A. van der Walt in *S. Afr. J. Bot.*, 52(5): 449 (1986): P. *subherbaceum*.
- ocellatum* J.J.A. van der Walt in *S. Afr. J. Bot.*, 56(4): 467 (1990)—South Africa (Cape Province).
- ovale*  
*subsp. hyalinum* L. Hugo in *S. Afr. J. Bot.*, 54(2): 156 (1988)—South Africa (Cape Province).
- subsp. veronicifolium* (Eckl. & Zeyh.) L. Hugo in *S. Afr. J. Bot.*, 54(2): 156 (1988): *Campylia veronicifolium*.
- praemorsum*  
*subsp. speciosum* A.G. Scheltema in *S. Afr. J. Bot.*, 56(3): 297 (1990)—South Africa (Cape Province).
- suburbanum* Clifford ex D.A. Boucher in *S. Afr. J. Bot.*, 52(5): 450 (1986), nom. nov.: *Myrrhidium urbanum* Eckl. & Zeyh.
- subsp. bipinnatifidum* (Harv.) D.A. Boucher in *S. Afr. J. Bot.*, 52(5): 453 (1986): P. *urbanum* var. *bipinnatifidum*.

×**PELASTYLIS** hort. in *Orchid Rev.*, 94(1110): centre page pull-out p. 8 (1986). ORCHIDACEAE. (*Pelatantheria* × *Rhynchostylis*).

**PELATANTHERIA** (Orchidac.).

- scolopendrifolia* (Makino) L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 432 (1988): *Sarcanthus scolopendrifolius*.

**PELEXIA** (Orchidac.).

- scintillans* E.W. Greenwood in *Orquidea (México)*, 12(1): 48 (1990)—Mexico.

**PELIOSANTHES** (Convallariac.).

- torulosa* Y. Wan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 147 (1986)—China.

**PELLIONIA** (Urticac.).

- angulare* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema angulare*.
- biakense* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema biakense*.
- cauliflorum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema cauliflorum*.
- curvitepalum* (Perry) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema curvitepalum*.
- eludens* (Perry) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema eludens*.
- filicinum* (Ridley) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema filicinum*.
- fruticulosum* (K. Sch.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema fruticulosum*.
- grammicum* (Perry) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema grammicum*.
- hallieri* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema hallieri*.
- hoelscherianum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema hoelscherianum*.
- hoffmannianum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema hoffmannianum*.
- inamoenum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema inamoenum*.
- inconstans* (Perry) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema inconstans*.
- jabiense* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema jabiense*.
- janowskyi* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema janowskyi*.
- kietanum* (Rechinger) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988), without basionym ref.: *Elatostema kietanum*.
- lamii* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema lamii*.
- lanceolatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 36 (1988): *Elatostema lanceolatum*.
- longgangensis* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 77 (1988)—China.
- mafuluense* (Perry) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema mafuluense*.
- minutiflorum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema minutiflorum*.
- novae-britanniae* (Laut.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema novae-britanniae*.
- pachypoda* (Diels) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema pachypoda*.
- paramelanum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema paramelanum*.
- pauperatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema pauperatum*.
- pellionianum* (Gaud.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988), without basionym ref.: *Elatostema pellionianum*.
- var. novae-britanniae* (Laut.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988), specific name not validly publ.: *Elatostema novae-britanniae*.
- var. pedunculatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988), specific name not validly publ.: Basionym not stated.
- radicans*  
*var. chikushiensis* (Yamamoto) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 451 (1988): P. *chikushiensis*.
- siniatum* (Bl.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988), with incorrect basionym ref.: Basionym not stated.
- var. pedunculatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988), specific name not validly publ. and with incorrect basionym ref.: Basionym not stated.
- stenurum* (Hallier f.) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema stenurum*.
- undulatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 37 (1988): *Elatostema undulatum*.

**PELLIONIA** :-

- velutinum (Warb.) R.J. Johns, *Flow. Pl. Papuaia: Dicot.*, 2: 37 (1988), without basionym ref.: *Procris velutina*.  
*var. glabrum* (K. Sch.) R.J. Johns, *Flow. Pl. Papuaia: Dicot.*, 2: 37 (1988), specific name not validly publ.: Basionym not stated.  
*warburgii* (H. Winkler) R.J. Johns, *Flow. Pl. Papuaia: Dicot.*, 2: 37 (1988): *Elatostema warburgii*.  
*weinlandii* (K. Schum.) R.J. Johns, *Flow. Pl. Papuaia: Dicot.*, 2: 37 (1988): *Elatostema weinlandii*.  
*yulense* (Hallier f.) R.J. Johns, *Flow. Pl. Papuaia: Dicot.*, 2: 37 (1988): *Elatostema yulense*.

**PELTAEA** (Malvac.).

- parviflora* (Turczaninow) P.A. Fryxell & A. Krapovickas in *Contrib. Univ. Mich. Herb.*, 17: 179 (1990): *Peltostegia parviflora*.

**PELTOPHORUM** (Legumin.).

- venezuelense* L. Cárdenas, H. Rodríguez-Rodríguez & A. Varela de Vega in *Ernstia*, 41: 1 (1986)—Venezuela.

**PENAEA** (Penaeac.).

- dahlgrenii* J.P. Rourke in *S. Afr. J. Bot.*, 55(4): 400 (1989)—South Africa (Cape Province).

**PENIOCEREUS** (Cactac.).

- serpentinus* (Lagasca & Rodrigues) N.P. Taylor in *Bradleya*, 5: 93 (1987): *Cactus serpentinus*.

**PENNELLIA** (Crucif.).

- boliviensis* (Muschler) I.A. Al-Shehbaz in *Harvard Pap. Bot.*, 2: 13 (1990): *Streptanthus boliviensis*.

**PENNISETUM** (Gramin.).

- alopecuroides*  
*subsp. sordidum* (Koidzumi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 521 (1987): *P. sordidum*.  
*felicianum* J. Asonganyi in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 7(3): 251 (1985 publ. 1986)—Cameroun.  
*verticillatum* (L.) R. Br. ex Sweet, *Hort. Suburb. Lond.*: 19 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.  
*viride* (L.) R. Br. ex Sweet, *Hort. Suburb. Lond.*: 19 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 71 (1982): Basionym not stated.

**PENSTEMON** (Scrophulariac.).

- acaulis*  
*var. yampaensis* (Penl.) E.C. Neese in *Great Basin Nat.*, 46(3): 459 (1986): *P. yampaensis*.  
*angustifolius*  
*var. dulcis* E.C. Neese in *Great Basin Nat.*, 46(3): 459 (1986)—U.S.A. (Utah).  
*colvillii* Huber, *Cat. Graines 1868*: 5 (1868); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—U.S.A. (California).  
*debilis* S.L. O'Kane & J.L. Anderson in *Brittonia*, 39(4): 412 (1987)—U.S.A. (Colorado).  
*duchesnensis* (N. Holmgren) E.C. Neese in *Great Basin Nat.*, 46(3): 459 (1986): *P. dolius* var. *duchesnensis*.  
*flowersii* E. Neese & S.L. Welsh in *Great Basin Nat.*, 43(3): 429 (1983)—U.S.A. (Utah).  
*fremontii*  
*var. glabrescens* R.D. Dorn & R.W. Lichvar in *Madroño*, 37(3): 195 (1990)—U.S.A. (Colorado).  
*glaber*  
*var. brandegei* (Porter) C.C. Freeman in *Phytologia*, 60(2): 105 (1986): *P. cyananthus* var. *brandegei*.  
*idahoensis* N.D. Atwood & S.L. Welsh in *Great Basin Nat.*, 48(4): 496 (1988)—U.S.A. (Idaho).  
*leonardii*  
*var. higginsii* E.C. Neese in *Great Basin Nat.*, 46(3): 459 (1986)—U.S.A. (Utah).  
*var. patricius* (N. Holmgren) E.C. Neese in *Great Basin Nat.*, 46(3): 460 (1986): *P. patricius*.  
*pachyphyllus*  
*var. mucronatus* (N. Holmgren) E.C. Neese in *Great Basin Nat.*, 46(3): 460 (1986): *P. mucronatus*.

**PENSTEMON** :-

- penlandii* W.A. Weber in *Phytologia*, 60(6): 459 (1986)—U.S.A. (Colorado).  
*scariosus*  
*var. cyanomontanus* E.C. Neese in *Great Basin Nat.*, 46(3): 460 (1986)—U.S.A. (Utah, Colorado).  
*thompsoniae*  
*var. desperatus* E.C. Neese in *Great Basin Nat.*, 46(3): 460 (1986)—U.S.A. (Utah, Nevada).

**PENTACALIA** (Compos.).

- barbourii* M.O. Dillon & A. Sagástegui Alva in *Brittonia*, 40(2): 225 (1988)—Peru.

**PENTACOILANTHUS** F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 64 (1954). **AIZOACEAE**.

- aitonis* (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 65 (1954), without basionym ref.: *Cryophytum aitonis*.  
*crassicaulis* (Schw.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 65 (1954), without basionym ref.: *Sceletium crassicaule*.  
*crystallinus* (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 65 (1954), without basionym ref.: *Cryophytum crystallinum*.  
*expansus* (L. Bol.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 21 (1962), without basionym ref.: *Sceletium expansum*.  
*granulicaulis* (Schwant.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 65 (1954), without basionym ref.: *Psilocaulon granulicaule*.  
*splendens* (Schwant.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 65 (1954), without basionym ref.: *Aridaria splendens*.  
*tortuosus* (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 21 (1962), without basionym ref.: *Sceletium tortuosum*.

**PENTALINON** (Apocynac.).

- andrieuxii* (Müller Argoviensis) B.F. Hansen & R.P. Wunderlin in *Taxon*, 35(1): 168 (1986): *Urechites andrieuxii*.  
*luteum* (L.) B.F. Hansen & R.P. Wunderlin in *Taxon*, 35(1): 167 (1986): *Vinca lutea*.

**PENTANEMA** (Compos.).

- chodzhakasiani* G.K. Kinzikaeva in *Fl. Tadzhikskoi SSR*, 9: 529, 312 (1988)—U.S.S.R. (Middle Asia).  
*varzobicum* R. Kam. & G.K. Kinzikaeva in *Fl. Tadzhikskoi SSR*, 9: 528, 312 (1988)—U.S.S.R. (Middle Asia).

**PENTAPHRAGMA** (Pentaphragmatac.).

- ellipticum*  
*var. flocculosum* (K. & G.) R. Kiew in *Malayan Nat. J.*, 43(1): 7 (1989): *P. scortechinii* var. *flocculosum*.  
*lambirens* R. Kiew in *Kew Bull.*, 45(3): 545 (1990)—Borneo (Sarawak).  
*longisepalum* R. Kiew in *Kew Bull.*, 45(3): 550 (1990)—Borneo (Sabah, Sarawak).  
*prostratum* R. Kiew in *Kew Bull.*, 45(3): 552 (1990)—Borneo (Sarawak).

**PENTAPHYLLOIDES** (Rosac.).

- fruticosa*  
*var. albicans* (Rehd. & Will.) Y.L. Han in *Claves Pl. Xinjiang*, 2: 531 (1982): *Potentilla fruticosa* var. *albicans*.

**PENTAPOGON** (Gramin.).

- quadrifidus*  
*var. parviflorus* (Benth.) D.I. Morris in *Muelleria*, 7(2): 167 (1990): *Pentapogon billardieri* var. *parviflorus*.

**PENTARHOPALOPILIA** (Engler) P. Hiepko in Bot.

- Jahrb.*, 108(2-3): 280 (1987): *Rhopalopilina* sect. *Pentarhopalopilina* (Opiliac.).  
*madagascariensis* (Cavaco & Keraudren) P. Hiepko in *Bot. Jahrb.*, 108(2-3): 285 (1987): *Rhopalopilina madagascariensis*.  
*marquesii* (Engler) P. Hiepko in *Bot. Jahrb.*, 108(2-3): 284 (1987): *Rhopalopilina marquesii*.

**PENTARHOPALOPILIA** :-

- perrieri* (Cavaco & Keraudren) P. Hiepko in *Bot. Jahrb.*, 108(2-3): 287 (1987): *Rhopalophilina perrieri*.  
*umbellulata* (Baillon) P. Hiepko in *Bot. Jahrb.*, 108(2-3): 281 (1987): *Opilia umbellulata*.

**PENTAS** (Rubiace.).

- zanzibarica*  
*var. haroniensis* B. Verdcourt in *Fl. Zambes.*, 5(1): 76 (1989)—Zimbabwe.  
*subsp. milangiana* (Verdc.) B. Verdcourt in *Fl. Zambes.*, 5(1): 76 (1989): *P. zanzibarica* var. *milangiana*.

**PENTASCHISTIS** (Gramin.).

- airoides*  
*subsp. jugorum* (Stafp) H.P. Linder in *Contrib. Bolus Herb.*, 12: 48 (1990): *P. jugorum*.  
*alticola* H.P. Linder in *Contrib. Bolus Herb.*, 12: 79 (1990)—South Africa (Cape Province).  
*aurea*  
*subsp. pilosogluma* (McClean) H.P. Linder in *Contrib. Bolus Herb.*, 12: 76 (1990): *P. pilosogluma*.  
*barbata* (Nees) H.P. Linder in *Contrib. Bolus Herb.*, 12: 30 (1990): *Danthonia barbata*.  
*subsp. orientalis* H.P. Linder in *Contrib. Bolus Herb.*, 12: 31 (1990)—South Africa (Cape Province).  
*calvicola* H.P. Linder in *Contrib. Bolus Herb.*, 12: 81 (1990)—South Africa (Cape Province).  
*var. hirsuta* H.P. Linder in *Contrib. Bolus Herb.*, 12: 83 (1990)—South Africa (Cape Province).  
*caulescens* H.P. Linder in *Contrib. Bolus Herb.*, 12: 99 (1990)—South Africa (Cape Province).  
*chippindalliae* H.P. Linder in *Contrib. Bolus Herb.*, 12: 92 (1990)—South Africa (Transvaal).  
*cirrhulosa* (Nees) H.P. Linder in *Contrib. Bolus Herb.*, 12: 42 (1990): *Danthonia cirrhulosa*.  
*exserta* H.P. Linder in *Contrib. Bolus Herb.*, 12: 92 (1990)—South Africa (Natal).  
*glandulosa* (Schrud.) H.P. Linder in *Contrib. Bolus Herb.*, 12: 60 (1990): *Danthonia glandulosa*.  
*gracilis* S.M. Phillips in *Kew Bull.*, 41(4): 1028 (1986)—Ethiopia.  
*holciformis* (Nees) H.P. Linder in *Contrib. Bolus Herb.*, 12: 91 (1990): *Danthonia holciformis*.  
*insularis* (Hemsl.) H.P. Linder in *Contrib. Bolus Herb.*, 12: 103 (1990): *Trisetum insulare*.  
*montana* H.P. Linder in *Contrib. Bolus Herb.*, 12: 83 (1990)—South Africa (Cape Province).  
*pallida* (Thunb.) H.P. Linder in *Contrib. Bolus Herb.*, 12: 36 (1990): *Avena pallida*.  
*papillosa* (Steud.) H.P. Linder in *Contrib. Bolus Herb.*, 12: 32 (1990): *Avena papillosa*.  
*praecox* H.P. Linder in *Contrib. Bolus Herb.*, 12: 95 (1990)—South Africa (Natal).  
*pseudopallescens* H.P. Linder in *Contrib. Bolus Herb.*, 12: 72 (1990)—South Africa (Cape Province).  
*pungens* H.P. Linder in *Contrib. Bolus Herb.*, 12: 97 (1990)—South Africa (Cape Province).  
*pusilla* (Nees) H.P. Linder in *Contrib. Bolus Herb.*, 12: 89 (1990): *Colpodium pusillum*.  
*pyrophila* H.P. Linder in *Contrib. Bolus Herb.*, 12: 81 (1990)—South Africa (Cape Province).  
*reflexa* H.P. Linder in *Contrib. Bolus Herb.*, 12: 53 (1990)—South Africa (Cape Province).  
*rigidissima* Pilger ex H.P. Linder in *Contrib. Bolus Herb.*, 12: 85 (1990)—South Africa (Cape Province).  
*rosea* H.P. Linder in *Contrib. Bolus Herb.*, 12: 70 (1990)—South Africa (Cape Province).  
*subsp. purpurascens* H.P. Linder in *Contrib. Bolus Herb.*, 12: 72 (1990)—South Africa (Cape Province).  
*scandens* H.P. Linder in *Contrib. Bolus Herb.*, 12: 101 (1990)—South Africa (Cape Province).  
*velutina* H.P. Linder in *Contrib. Bolus Herb.*, 12: 66 (1990)—South Africa (Cape Province).  
*veneta* H.P. Linder in *Contrib. Bolus Herb.*, 12: 29 (1990)—South Africa (Cape Province).

**PENTOSSAEA** W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 486 (1989). **MELASTOMATACEAE**.  
*angustifolia* (DC.) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): *Leandra angustifolia*.

**PENTOSSAEA** :-

- brachystachya (DC.) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): Clidemia brachystachya. confertiflora (DC.) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): Clidemia confertiflora. congestiflora (Naudin) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): Clidemia congestiflora. coriacea (Naudin) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989), without basionym ref.: Basionym not stated. heteronervis (Naudin) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): Sagraea heteronervis. marginata (Desr.) W.S. Judd in *Ann. Missouri Bot. Gard.*, 76(2): 490 (1989): Melastoma marginata.

**PENTZIA** (Compos.).

- peduncularis B. Nordensam in *Bot. Jahrb.*, 108(2-3): 196 (1987)—South Africa (Cape Province).

**PEPEROMIA** (Piperac.).

- adscendens (Endl.) K. Schumann in *Notizbl. Bot. Gart. Berlin*, 1: 47 (1895), illegit, late homonym of C. DC. (1866): Piper adscendens. antioquiensis R. Callejas in *Brittonia*, 42(1): 71 (1990)—Colombia. berteroa subsp. tristanensis (Christoph.) H.A. Valdebenito in *Brittonia*, 42(2): 122 (1990): P. tristanensis. blanda var. floribunda (Miq.) H. Huber in *M.D. Dassanayake & F.R. Fosberg, eds., Revised Handb. Fl. Ceylon*, 6: 294 (1988): P. arabica var. floribunda. boekei R. Callejas in *Brittonia*, 42(1): 73 (1990)—Peru. boomii J.A. Steyermark in *Brittonia*, 38(3): 220 (1986)—Venezuela. calderoniae M.A. Barrios, J.H. Cota & J.M. Medina-Cota in *Phytologia*, 62(1): 54 (1987)—Mexico. delascioi J.A. Steyermark in *Brittonia*, 40(3): 294 (1988)—Venezuela. dolabella W. Rauh & M. Kimnach in *Cact. Succ. J. (U.S.A.)*, 59(1): 5 (1987)—Peru. epihippii H. St. John in *Phytologia*, 64(3): 173 (1988)—Hawaiian Is. gentryi J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 87 (1987)—Venezuela. hanaensis H. St. John in *Phytologia*, 64(3): 173 (1988)—Hawaiian Is. marachuacensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 87 (1987)—Venezuela. minutilimba (Yuncker) H. St. John in *Phytologia*, 64(3): 173 (1988): P. cookiana var. minutilimba. muscorum H. St. John in *Phytologia*, 64(3): 173 (1988)—Hawaiian Is. nahikuensis H. St. John in *Phytologia*, 64(3): 173 (1988)—Hawaiian Is. wolfgang-krahni W. Rauh in *Kakt. And. Sukk.*, 37(7): 140 (1986)—Peru. woolfordii H. St. John in *Phytologia*, 64(3): 173 (1988)—Hawaiian Is.

**PEPINIA** (Bromeliac.).

- agavifolia (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia agavifolia. alborubra (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia alborubra. amblyosperma (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia amblyosperma. anomala (Hoehne) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia anomala. armata (Maury) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia armata. bradei (Markgraf) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia bradei. breweri (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia breweri. bulbosa (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia bulbosa. caricifolia (Martius ex Schultes) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia caricifolia.

**PEPINIA** :-

- carnososepala (Rauh & Gross) H.E. Luther in *Phytologia*, 67(4): 312 (1989), as 'carnosa-sepala': Pitcairnia carnososepala. corallina (Linden & André) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia corallina. costata (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia costata. ctenophylla (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 297 (1988): Pitcairnia ctenophylla. cuatrecasana (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia cuatrecasana. ensifolia (Mez) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia ensifolia. epiphytica (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia epiphytica. filispina (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia filispina. fimbriatobracteata (Rauh) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988), without basionym page: Pitcairnia fimbriato-bracteata. geyskesii (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia geyskesii. hammelii (Luther) H.E. Luther in *J. Bromeliad Soc.*, 39(4): 173 (1989): Pitcairnia hammelii. harlingii (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia harlingii. heliophila (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia heliophila. incarnata (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia incarnata. juncoides (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia juncoides. killipiana (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia killipiana. kunhardtiana (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia kunhardtiana. limae (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia limae. luteyniorum (L.B. Smith & R.W. Read) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia luteyniorum. maguirei (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia maguirei. mituensis (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia mituensis. nuda (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia nuda. occidentalis (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia occidentalis. patentiflora (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia patentiflora. pectinata (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia pectinata. platypetala (Mez) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 298 (1988): Pitcairnia platypetala. pruinosa (Kunth) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia pruinosa. quesneliodes (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia quesneliodes. rubiginosa (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia rubiginosa. sprucei (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia sprucei.

**PEPINIA** :-

- turbinella (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia turbinella. uaipanensis (Baker) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia uaipanensis. wurdackii (L.B. Smith) G.S. Varadarajan & A.J. Gilmartin in *Syst. Bot.*, 13(2): 299 (1988): Pitcairnia wurdackii.

**PEPLIDIUM** (Scrophulariac.).

- aithocheilum W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 88 (1990)—Australia (S. Australia, N. Terr., W. Australia).

**PERAMA** (Rubiace.).

- dichotoma var. monocephala J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 658 (1987)—Venezuela.

**PERAPENTACOILANTHUS** F. Rappa & V.

- Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 15: 21 (1956). *AIZOACEAE*.

**PERATETRACOILANTHUS** F. Rappa & V.

- Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 22 (1962), without type. *AIZOACEAE*.

- defolius (Schw.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Aridaria defoliata.

- geniculiflorus (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Aridaria geniculiflora.

- haeckelianus (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Platythyra haeckeliana.

- juncus (Schw.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Psilocaulon juncum.

- noctiflorus (Schw.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Aridaria noctiflora.

- parviflorus (Schw.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Psilocaulon parviflorum.

- spinuliferus (N.E. Br.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Aridaria spinulifera.

- tetragonus (L. Bol.) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 23 (1962), without basionym ref.: Aridaria tetragona.

**PERDICUM** (Compos.).

- lyratum (Willd.) Sweet, *Hort. Brit.*, ed. 2: 280 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated. tomentosum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 769 (1784)—Japan.†

**PERESKIA** (Cactac.).

- grandifolia var. violacea B.E. Leuenberger in *Mem. New York Bot. Gard.*, 41: 116 (1986)—Brazil. humboldtii var. rauhii (Backeberg) B.E. Leuenberger in *Mem. New York Bot. Gard.*, 41: 69 (1986): P. vargasii var. rauhii.

**PERGULARIA** (Asclepiadac.).

- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 256 (1784)—Japan.†

**PERIPTERA** (Malvac.).

- lobelioides P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 552 (1987)—Mexico.

**PERISTROPHE** (Acanthac.).

- brassii R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 192 (1986)—Australia (Queensland). decorticans K. Balkwill in *S. Afr. J. Bot.*, 55(2): 254 (1989)—South Africa (Transvaal), Botswana. namibiensis K. Balkwill in *S. Afr. J. Bot.*, 54(1): 52 (1988)—Namibia. subsp. brandbergensis K. Balkwill in *S. Afr. J. Bot.*, 54(1): 53 (1988)—Namibia. tianmuensis H.S. Lo in *Bull. Bot. Res. North-East Forest. Inst.*, 8(1): 4 (1988)—China.

**PERISTYLUS** (Orchidac.).

- aliformis (C. Schweinf.) J. Renz & S. Vodonaivalu in *Blumea*, 34(1): 88 (1989 - received at K on 30 June): *Habenaria aliformis*.
- aliformis (C. Schweinf.) P.J. Kores in *Allertonia*, 5(1): 14 (August 1989), isonym see J. Renz & S. Vodonaivalu in *Blumea*, 34(1): 88 (1989): *Habenaria aliformis*.
- bulleyi (Rolf) K.Y. Lang in *Acta Phytotax. Sin.*, 25(6): 448 (1987): *Habenaria bulleyi*.
- cymbochilus J. Renz in *Davis & Hedge Festschrift* (ed. Kit. Tan): 185 (1989)—New Guinea (Papua New Guinea).
- duthiei (Hook. f.) S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*; 181 (1986): *Herminium duthiei*.
- var. inayatii S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 185 (1986)—India.
- fallax
- var. dwarikae S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 187 (1986), as 'dwarikaii'—India.
- forrestii (Schltr.) K.Y. Lang in *Acta Phytotax. Sin.*, 25(6): 454 (1987): *Habenaria forrestii*.
- hatuimanus T. Hashimoto in *Aver'yanov in Bot. Zhurn.*, 73(7): 1025 (1988)—Vietnam.
- jinchuanicus K.Y. Lang in *Acta Phytotax. Sin.*, 25(6): 447 (1987)—China.
- kumaonensis J. Renz in *J. Orchid Soc. India*, 1(1–2): 23 (1987)—India.
- longiracemus (Fukuyama) K.Y. Lang in *Acta Phytotax. Sin.*, 35(6): 448 (1987): *Habenaria longiracema*.
- maculifer (C. Schweinf.) J. Renz & S. Vodonaivalu in *Blumea*, 34(1): 89 (1989 - received at K on 30 June): as 'maculiferus': *Habenaria maculifera*.
- maculifer (C. Schweinf.) P.J. Kores in *Allertonia*, 5(1): 13 (August 1989), isonym see J. Renz & S. Vodonaivalu in *Blumea*, 34(1): 89 (1989): *Habenaria maculifera*.
- nematocaulon (J.D. Hook.) J.J. Wood in *Kew Bull.*, 41(4): 811 (1986): *Habenaria nematocaulon*.
- neotineoides (Ames & Schltr.) K.Y. Lang in *Acta Phytotax. Sin.*, 25(6): 453 (1987): *Herminium neotineoides*.
- pachyneuroides J. Renz in *Davis & Hedge Festschrift* (ed. Kit. Tan): 187 (1989)—New Guinea (Papua New Guinea).
- scrotiformis (L.O. Williams) J. Renz & S. Vodonaivalu in *Blumea*, 34(1): 89 (1989): *Habenaria scrotiformis*.
- stenodon (Reichenb. f.) P.J. Kores in *Allertonia*, 5(1): 13 (August 1989): *Habenaria stenodon*.
- stenodon (Reichenb. f.) Renz & Vodonaivalu ex B. Lewis & P. Cribb, *Orchids of Vanuatu*: 41 (5 October 1989), as 'stenodontus', isonym see P.J. Kores in *Allertonia*, 5(1): 13 (August 1989): *Habenaria stenodon*.
- superanthus J.J. Wood in *Kew Bull.*, 41(4): 811 (1986)—Nepal, Bhutan, Sikkim, India.
- tradesantifolia (Reichenb. f.) P.J. Kores in *Allertonia*, 5(1): 12 (1989): *Habenaria tradesantifolia*.
- wheatleyi P.J. Cribb & B. Lewis in *Orchid Rev.*, 97(1150): 251 (1989)—Vanuatu.

**PERITYLE** (Compos.).

- scopulorum (M.E. Jones) A.M. Powell & B.L. Turner in *Phytologia*, 66(6): 505 (1989): *Laphamia scopulorum*.
- specuicola S.L. Welsh & E. Neese in *Great Basin Nat.*, 43(2): 373 (1983)—U.S.A (Utah).
- vandevenderi B.L. Turner in *Phytologia*, 66(6): 504 (1989)—Mexico.
- vigilans R. Spellenberg & A.M. Powell in *Syst. Bot.*, 15(2): 252 (1990)—Mexico.

**PEROVSKIA** (Labiata).

- botschantzevii S.S. Kovalevskaya & T.F. Kochkareva in *Fl. Tadzhikskoi SSR*, 8: 483, 263 (1986)—U.S.S.R. (Middle Asia), Afghanistan.
- pamirica C.Y. Yang & B. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 95 (1987)—Xinjiang.
- scrophulariaefolia A. Bunge, *Beitr. Fl. Russl.*: 257 (1852)—U.S.S.R. (Middle Asia).†

**PERSEA** (Laurac.).

- areolatocostae (Allen) H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 471 (1989): *Phoebe areolatocostae*.
- austroguizhouensis (S.K. Lee & F.M. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus austroguizhouensis*.
- chayuensis (S.K. Lee & H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus chayensis*.
- chekiangensis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus chekiangensis*.
- chienkweiensis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus chienkweiensis*.
- chrysotricha (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus chrysotricha*.
- chuanchienensis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus chuanchienensis*.
- chunii (Chang ex S.C. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990), basionym not validly publ.: *Machilus chunii*.
- cicatricosa (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus cicatricosa*.
- croatii H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 471 (1989)—Venezuela.
- croizatii H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 472 (1989)—Venezuela.
- culilawan (Bl.) Bischoff, *Grund. Med. Bot.*: 342 (1831); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): Basionym not stated.
- dinganensis (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus dinganensis*.
- fasciculata (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus fasciculata*.
- fluvialilis H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 474 (1989)—Venezuela.
- foonchevii (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus foonchevii*.
- fragrans (Kanehira ex S.C. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990), basionym not validly publ.: *Machilus fragrans*.
- fukiensis (H.T. Chang) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus fukiensis*.
- glaucescens (Wt.) N.P. Singh, *Fl. East. Karnataka*, 2: 548 (1988): *Machilus glaucescens*.
- glaucofolia (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus glaucofolia*.
- gongshanensis (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus gongshanensis*.
- grandibracteata (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus grandibracteata*.
- grandifolia (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus grandifolia*.
- jariensis I. de Vattimo-Gil in *Rev. Brasil. Biol.*, 48(4): 956 (1988)—Brazil.
- julianae H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(3): 939 (1989)—Surinam.
- kwangtungensis (Y.C. Yang) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus kwangtungensis*.
- lenticellata (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus lenticellata*.
- lichuanensis (W.C. Chang) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus lichuanensis*.
- litseifolia (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus litseifolia*.
- lohuensis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus lohuensis*.
- longipedunculata (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus longipedunculata*.

**PERSEA** :—

- melanophylla (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus melanophylla*.
- mikweiensis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus mikweiensis*.
- minutiloba (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus minutiloba*.
- monticola (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus monticola*.
- nakao (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus nakao*.
- nanchuanensis (N. Chao) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 546 (1990): *Machilus nanchuanensis*.
- obscurinervis (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus obscurinervis*.
- ovatiloba (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus ovatiloba*.
- pajonalis H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 413 (1988)—Peru.
- parviflora (Meissn.) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*, 2: 739 (1987): *Machilus parviflora*.
- pedicellata A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990), nom. nov.: *Machilus longipes H.T. Chang*.
- perseiphylla (Allen) H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(4): 961 (1989)—*Ocotea perseiphylla*.
- povedae W. Burger in *Fieldiana, Bot.*, 23: 105 (1990)—Costa Rica.
- pyramidalis (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus pyramidalis*.
- rupeis (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus rupeis*.
- salicoides (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus salicoides*.
- shiwandashanica (H.T. Chang) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus shiwandashanica*.
- sichouensis (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus sichouensis*.
- sichuanensis (N. Chao) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus sichuanensis*.
- silvatica H. van der Werff in *Fieldiana, Bot.*, 23: 107 (1990)—Costa Rica.
- sintoc (Bl.) Bischoff, *Grund. Med. Bot.*: 342 (1831); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): *Cinnamomum sintoc*.
- suaveolens (S.K. Lee) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus suaveolens*.
- tenuipilis (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus tenuipilis*.
- velutinoides (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus velutinoides*.
- verruculosa (H.W. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus verruculosa*.
- versicolora (S.K. Lee & F.N. Wei) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus versicolora*.
- wenshanensis (W.H. Li) A.J.G.H. Kostermans in *Ann. Missouri Bot. Gard.*, 77(3): 547 (1990): *Machilus wenshanensis*.

**PERSICARIA** (Polygonac.).

- sect. Amblygonon (Meissn.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 25: 185 (1988); et in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 67 (1989): *Polygonum* sect. Amblygonon.
- sect. Amphibia N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 75 (1987).
- sect. Truelloides N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987).



**PERSICARIA** :-

- affinis (*D. Don*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 368 (1988): *Polygonum affine*.
- amphibia
- var. natans* (*Leyss.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 63* (1986): *Polygonum amphibium var. natans*.
- var. terrestris* (*Leyss.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 63* (1986): *Polygonum amphibium var. terrestre*.
- angustifolia (*Pall.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum angustifolium*.
- attenuata
- subsp. africana* *K.L. Wilson in Kew Bull.* 45(4): 629 (1990)—Uganda, Madagascar etc.
- subsp. pulchra* (*Blume*) *K.L. Wilson in Kew Bull.*, 45(4): 629 (1990): *Polygonum pulchrum*.
- ×bicolor
- nothosubsp. silesiaca* (*Beck*) *J. Chrtek in Preslia*, 62(2): 164 (1990): *Polygonum silesiacum*.
- bistorta
- subsp. carnea* (*C. Koch*) *W. Greuter & Burdet in Willdenowia*, 19(1): 41 (1989): *Polygonum carneum*.
- caespitosa
- var. longiseta* (*DeBruyn*) *C.F. Reed in Phytologia*, 63(5): 410 (1987): *Polygonum longisetum*.
- campanulata (*Hook. f.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum campanulatum*.
- decipiens (*R.Br.*) *K.L. Wilson in Telopea*, 3(2): 178 (1988): *Polygonum decipiens*.
- extremiorientalis (*Worosch.*) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 24: 75 (1987): *Polygonum extremiorientale*.
- glacialis (*Hook. f.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 76* (1986): *Polygonum glaciale*.
- hookeri (*Meissn.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum hookeri*.
- hydropiper
- subsp. flaccida* (*Meissn.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 76* (1986): *Polygonum flaccidum*.
- var. glandulosissima* (*Gage*) *H.B. Naithani & S. Biswas in H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 353 (1990): *Polygonum hydropiper var. glandulosissima*.
- subsp. mite* (*Schrank*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 75* (1986): *Polygonum mite*.
- hypanica (*Klok*) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 25: 186 (1988): *Polygonum hypanicum*.
- lanata (*Roxb.*) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 25: 186 (1988): *Polygonum lanatum*.
- lapathifolia
- var. tomentosa* (*Schrank*) *N.N. Tsvelev in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 70 (1989): *Polygonum tomentosum*.
- obtusifolia (*Täckh. & Boulos*) *W. Greuter & Burdet in Willdenowia*, 19(1): 41 (1989): *Polygonum obtusifolium*.
- poiretii (*Meissn.*) *K.L. Wilson in Kew Bull.*, 45(4): 631 (1990): *Polygonum poiretii*.
- salicifolia (*Brouss. ex Willd.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 73* (1986): *Polygonum salicifolium*.
- saporoviensis (*Klok.*) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 25: 186 (1988): *Polygonum saporoviense*.
- scabra
- var. amurica* *N.N. Tsvelev in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 71 (1989)—U.S.S.R. (Soviet Far East).
- var. incana* (*F.W. Schmidt*) *N.N. Tsvelev in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 71 (1989): *Polygonum incanum*.
- senegalensis
- f. albotomentosa* (*Graham*) *K.L. Wilson in Kew Bull.*, 45(4): 630 (1990): *Polygonum senegalense f. albotomentosum*.

**PERSICARIA** :-

- setosula (*A. Rich.*) *K.L. Wilson in Kew Bull.*, 45(4): 632 (1990): *Polygonum setosum*.
- snobarrii *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2): 73* (1986)—India.
- subsessilis (*R.Br.*) *K.L. Wilson in Telopea*, 3(2): 180 (1988): *Polygonum subsessile*.
- tripterocarpa (*A. Gray*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum tripterocarpum*.
- vacciniifolia (*Wall. ex Meissn.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum vacciniifolium*.
- vivipara (*L.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum viviparum*.
- wallichii *W. Greuter & Burdet in Willdenowia*, 19(1): 41 (1989), nom. nov.: *Polygonum polystachyum Meissner*.
- weyrichii (*F. Schmidt Petrop.*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 367 (1988): *Polygonum weyrichii*.

**PERTYA** (Compos.).

- ser. Paniculata* *Y.C. Tseng in Guihaia*, 5(4): 327 (1985).
- angustifolia *Y.C. Tseng in Guihaia*, 5(4): 327 (1985)—China.
- berberidoides (*Hand-Mazz.*) *Y.C. Tseng in Guihaia*, 5(4): 328 (1985): *P. bodinieri var. berberidoides*.
- cordifolia
- var. desmocephala* (*Diels*) *Z. Wei & Y.B. Chang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 37 (1989): *P. desmocephala*.
- corymbosa *Y.C. Tseng in Guihaia*, 5(4): 332 (1985)—China.
- henanensis *Y.C. Tseng in Guihaia*, 5(4): 330 (1985)—China.
- pubescens *Y. Ling in Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 32 (1948 publ. 1949)—China.
- pungens *Y.C. Tseng in Guihaia*, 5(4): 334 (1985)—China.
- tsoongiana *Ling in Contrib. Bot. Surv. Northwest China*, 1(2): 40 (1939); *cf. Y. Ling in Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 29 (1948 publ. 1949)—China.
- yakushimensis *H. Koyama & H. Nagamasu in Acta Phytotax. Geobot.*, 39(1-3): 67 (1988)—Japan.

**PERYMENIUM** (Compos.).

- buphthalmoides
- var. diguetii* (*McVaugh*) *B.L. Turner in Phytologia*, 64(4): 265 (1988): *P. diguetii*.
- var. sonoranum* *B.L. Turner in Phytologia*, 64(4): 266 (1988)—Mexico.
- fayi *B.L. Turner in Phytologia*, 69(1): 16 (1990)—Mexico.
- oaxacanum *B.L. Turner in Phytologia*, 65(5): 371 (1988)—Mexico.
- ovalifolium (*A. Gray*) *B.L. Turner in Phytologia*, 64(4): 263 (1988)—Oyedaea ovalifolia.
- tamaulipense *B.L. Turner in Phytologia*, 63(5): 396 (1987)—Mexico.

**PETASITES** (Compos.).

- frigidus
- var. sinuolatus* *A.A. Korobkov in Arktich. Fl. SSSR*, 10: 184 (1987)—U.S.S.R. (Soviet Far East).
- pyrenaica (*L.*) *G. López González in An. Jard. Bot. Madrid*, 42(2): 323 (1985 publ. 1986): *Tussilago pyrenaica*.

**PETITIOCODON** *E. Robbrecht in Bull. Jard. Bot.*

- Nation. Belg.*, 58(1-2): 116 (1988). **RUBIACEAE.**
- parviflorum (*Keay*) *E. Robbrecht in Bull. Jard. Bot. Nation. Belg.*, 58(1-2): 119 (1988): *Didymosalpinx parviflora*.

**PETRADORIA** (Compos.).

- pumila
- var. graminea* (*Woot. & Standl.*) *S.L. Welsh in Great Basin Nat.*, 43(2): 324 (1983): *P. graminea*.

**PETREA** (Verbenac.).

- sulphurea *M.J. Jansen-Jacobs in Fl. Guianas*, Ser. A, 4(148): 60 (1988)—French Guiana.

**PETROCODON** (Gesneriac.).

- dealbatus
- var. denticulatus* (*W.T. Wang*) *W.T. Wang in Fl. Reipubl. Popul. Sin.*, 69: 420 (1990): *P. denticulatus*.

**PETROCOPTIS** (Caryophyllac.).

- crassifolia
- subsp. albaredae* *P. Montserrat in Doc. Phytosoc.*, n.s., 2: 326 (1978)—Spain.
- subsp. guinochetii* *J.M. Montserrat in Doc. Phytosoc.*, n.s., 2: 326 (1978)—Spain.
- pyrenaica
- subsp. glaucifolia* (*Lag.*) *P. Montserrat & Fernández Casas in An. Jard. Bot. Madrid*, 45(1): 362 (1988): *Silene glaucifolia*.
- subsp. viscosa* (*Rothm.*) *P. Montserrat & Fernández Casas in An. Jard. Bot. Madrid*, 45(1): 362 (1988): *P. viscosa*.

**PETROEDMONDIA** *S.G. Tamamschian in Fl. Iran.*, 162: 167 (1987). **UMBELLIFERAE.**

- syriaca (*Boiss.*) *S.G. Tamamschian in Fl. Iran.*, 162: 167 (1987): *Colladonia syriaca*.

**PETROPHILE** (Proteac.).

- aspera *C.A. Gardner ex D.B. Foreman in Muellera*, 7(2): 304 (1990)—Australia (W. Australia).
- helicophylla *D.B. Foreman in Muellera*, 7(2): 301 (1990)—Australia (W. Australia).
- stricta *C.A. Gardner ex D.B. Foreman in Muellera*, 7(2): 307 (1990)—Australia (W. Australia).

**PETTORHAGIA** (Caryophyllac.).

- dubia (*Rafin.*) *G. López González & Á.M. Romo in An. Jard. Bot. Madrid*, 45(1): 363 (1988): *Dianthus dubius*.
- gasparrinii (*Guss.*) *J. Holub in Preslia*, 58(4): 302 (1986): *Gypsophila gasparrinii*.
- prolifera
- f. diminuta* (*L.*) *P. Boža & O. Vasić in Fl. SR Srbije*, 10: 48 (1986): *Dianthus diminutus*.
- zoharyana *A. Liston in Candollea*, 41(1): 179 (1986)—Israel, Jordan, Syria.

**PETROSEDUM** (Crassulac.).

- amplexicaule (*DC.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989): *Sedum amplexicaule*.
- subsp. tenuifolium* (*Sm.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989): *Sempervivum tenuifolium*.
- rupestre (*Linnaeus*) *P. Heath in Sussex Cactus & Succ. Yearbook, 1987* (ed. P. Heath): 56 (1987): *Sedum rupestre*.
- rupestre (*L.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989), isonym: *Sedum rupestre*.
- subsp. anopetalum* (*DC.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989): *Sedum anopetalum*.
- subsp. elegans* (*Lej.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989): *Sedum elegans*.
- subsp. erectum* (*t'Hart*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 584 (1988 publ. 1989): *Sedum rupestre subsp. erectum*.
- subsp. montanum* (*Perr. & Song.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 585 (1988 publ. 1989): *Sedum montanum*.
- subsp. reflexum* (*L.*) *M. Velayos in An. Jard. Bot. Madrid*, 45(2): 585 (1988 publ. 1989): *Sedum reflexum*.

**PETUNIA** (Solanac.).

- exserta *J.R. Stehmann in Napaea, Rev. Bot.*, 2: 19 (1987)—Brazil.

**PEUCEDANUM** (Umbellif.).

- acaule *R.H. Shan & M.L. Sheh in Acta Phytotax. Sin.*, 24(4): 308 (1986)—China.
- ampliatum *K.T. Fu in Fl. Tsinlingensis*, 1(3): 462, 427 (1981)—China.
- articulatum *C.C. Townsend in Kew Bull.*, 42(3): 602 (1987)—Malawi.
- dispersum *C.C. Townsend in Kew Bull.*, 42(3): 596 (1987)—Tanzania, Uganda.

**PEUCEDANUM**:-

- elegans* (Spreng.) Sweet, *Hort. Brit.*, ed. 2: 250 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated.
- friesiorum  
var. *bipinnatum* C.C. Townsend in *Kew Bull.*, 42(3): 591 (1987)—Kenya.
- gabrielae R. Frey in *Candollea*, 44(1): 275 (26 July 1989); et in *Mitt. Bot. Mus. Univ. Zürich*, 383: 28 (9 August 1989), not effectively published as thesis in 1988—Greece.
- harmsianum  
subsp. *australe* C.C. Townsend in *Kew Bull.*, 42(3): 593 (1987)—Tanzania.
- hirsutiusculum  
var. *subglabrum* R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 310 (1986)—China.
- japonicum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 280 (1784)—Japan.†
- josephianum B.M. Wadhwa & H.J. Chowdhery in *Indian J. Forest.*, 13(1): 78 (1990)—India.
- ledebourielloides K.T. Fu in *Fl. Tsinlingensis*, 1(3): 463, 428 (1981)—China.
- longshengense R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 306 (1986)—China.
- mashanense R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 304 (1986)—China.
- medicum  
var. *gracile* Dunn ex R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 310 (1986)—China.
- oblongisectum C.C. Townsend in *Kew Bull.*, 42(3): 598 (1987)—Tanzania.
- officinale  
subsp. *longifolium* (Waldstein & Kitaibel) R. Frey in *Candollea*, 44(1): 272 (26 July 1989); et in *Mitt. Bot. Mus. Univ. Zürich*, 383: 24 (9 August 1989), not effectively published as thesis in 1988: P. *longifolium*.
- subsp. *paniculatum* (Loiseleur) R. Frey in *Candollea*, 44(1): 273 (26 July 1989); et in *Mitt. Bot. Mus. Univ. Zürich*, 383: 25 (9 August 1989), not effectively published as thesis in 1988: P. *paniculatum*.
- praeruptorum  
var. *grande* K.T. Fu in *Fl. Tsinlingensis*, 1(3): 463, 428 (1981)—China.
- quangxiense R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 308 (1986)—China.
- refractum Vill., *Cat. Meth. Pl. Jard. Strasb.*: 235 (1807); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984)—Locality not stated.
- rubricaulis R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 305 (1986)—China.
- sonderi (Hiroe) B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 200 (1988 publ. 1989): Seseli sonderi.
- songpanense R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 27(1): 65 (1989)—China.
- stenospermum C.C. Townsend in *Kew Bull.*, 42(3): 600 (1987)—Zambia.
- stridii P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 720 (1986)—Greece.
- tenue C.C. Townsend in *Kew Bull.*, 42(3): 602 (1987)—Zambia Tanzania.
- vourinense (Leute) P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 720 (1986): P. *longifolium* subsp. *vourinense*.
- wulongense R.H. Shan & M.L. Sheh in *Acta Phytotax. Sin.*, 24(4): 309 (1986)—China.

**PFAFFIA** (Amaranthac.).

- eriophylla (Mart.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 88 (1990): Gomphrena eriophylla.
- sericantha (Mart.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 90 (1990): Gomphrena sericantha.
- townsendii T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 90 (1990)—Brazil.

**PFEIFFERA** (Cactac.).

- miyagawae W. Barthlott & W. Rauh in *Cact. Succ. J. (U.S.A.)*, 59(2): 63 (1987)—Bolivia.

**PHACELIA** (Hydrophyllac.).

- aldea R. Br. ex Sweet, *Hort. Brit.*: 295 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981)—Locality not stated.
- demissa  
var. *minor* N.D. Atwood in *Great Basin Nat.*, 46(2): 256 (1986)—U.S.A. (Utah).
- douglasii  
subsp. *cryptantha* (Brand) R.M. Beauchamp in *Phytologia*, 59(7): 440 (1986): P. *douglasii* var. *cryptantha*.
- exilis (Gray) G.J. Lee in *Syst. Bot.*, 13(1): 18 (1988): P. *mohavensis* var. *exilis*.
- hintoniorum B.L. Turner in *Brittonia*, 38(2): 123 (1986)—Mexico.
- magellanica (Lam.) R. Br. ex Sweet, *Hort. Brit.*: 295 (1827); cf. D.J. Mabberley in *Taxon*, 30(1): 16 (1981): Basionym not stated.
- potosina B.L. Turner in *Brittonia*, 38(2): 124 (1986)—Mexico.
- zaragozana B.L. Turner in *Brittonia*, 38(2): 127 (1986)—Mexico.

**PHACELLARIA** (Santalac.).

- glomerata D.D. Tao in *Fl. Yunnanica*, 4: 780, 288 (1986); et in *Acta Phytotax. Sin.*, 25(5): 407 (1987)—China.

**PHAEDRANASSA** (Amaryllidac.).

- brevifolia A.W. Meerow in *Sida*, 12(1): 30 (1987)—Ecuador.

**PHAGNALON** (Compos.).

- lavranosii M. Qaiser & H.W. Lack in *Willdenowia*, 15(2): 442 (1986)—Afars Issas Terr.
- rechingeri H.W. Lack & M. Qaiser in *Pl. Syst. Evol.*, 155(1-4): 45 (1987)—Iran.

**PHAIUS** (Orchidac.).

- guizhouensis G.Z. Li in *J. Wuhan Bot. Res.*, 8(2): 142 (1990)—China.

**PHALAEENOPSIS** (Orchidac.).

- sect. *Deliciosae* E.A. Christenson in *Indian Orchid J.*, 1(4): 152 (1985); et in *Selbyana*, 9(1): 167 (1986).
- braceana (J.D. Hook.) E.A. Christenson in *Selbyana*, 9(1): 169 (1986): Doritis braceana.
- cornu-cervi  
var. *flava* Braem ex A. van Holle-de Raeve in *Schlechteriana*, 1990(3): 113 (1990)—Sumatra.
- lobbii (Reichenb. f.) L.V. Averyanov in *Bot. Zhurn.*, 73(3): 432 (1988): P. *parishii* var. *lobbii*.
- minor F.Y. Liu in *Acta Bot. Yunnanica*, 10(1): 119 (1988)—China.
- philippinensis Golamco ex J.A. Fowlie & C.Z. Tang in *Orchid Dig.*, 51(2): 92 (1987), as 'philippinense'—Philippine Is.
- taenialis (Lindl.) E.A. Christenson & U.C. Pradham in *Indian Orchid J.*, 1(4): 154 (1985); et in *Selbyana*, 9(1): 168 (1986): Aerides taeniale.
- thalebanii G. Seidenfaden in *Op. Bot.*, 95: 241 (1988)—Thailand.

**PHALARIS** (Gramin.).

- hispida C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 104 (1784)—Japan.†

**PHANEROSTYLIS** (Compos.).

- hintoniorum (B. Turner) R.M. King & H. Robinson in *Phytologia*, 60(1): 80 (1986): Brickellia hintoniorum.

**PHARBITIS** (Convolvulac.).

- coerulea (Koen. ex Roxb.) Wall ex O'Shaughnessy, *Bengal Disp.*: 505 (1842); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983): Basionym not stated.

**PHARNACEUM** (Molluginac.).

- spergula (L.) L.W. Dillwyn, *Rev. Hortus Malab.*: 51 (1839); cf. D.J. Mabberley in *Taxon*, 26(5-6): 533 (1977): Mollugo spergula.

**PHASEOLUS** (Legumin.).

- deliciosus Huber, *Cat. Print.* 1864: 4 (1864); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.

**PHEBALIUM** (Rutac.).

- equestre D.A. Cooke in *J. Adelaide Bot. Gard.*, 10(2): 241 (1987)—Australia (S. Australia).
- frondosum N.G. Walsh & D.E. Albrecht in *Muelleria*, 6(6): 405 (1988)—Australia (Victoria).
- rhytidophyllum D.E. Albrecht & N.G. Walsh in *Muelleria*, 6(6): 402 (1988)—Australia (New South Wales).
- wilsonii N.G. Walsh & D.E. Albrecht in *Muelleria*, 6(6): 399 (1988)—Australia (Victoria).

**PHELIPANCHE** (Scrophulariac.).

- astragali (Mouterde) J. Holub in *Preslia*, 62(3): 196 (1990): Orobanche astragali.
- ducellieri (Maire) J. Holub in *Preslia*, 62(3): 196 (1990): Orobanche ducellieri.
- laevis (L.) J. Holub in *Preslia*, 62(3): 196 (1990): Orobanche laevis.
- lanuginosa (C.A. Meyer) J. Holub in *Preslia*, 62(3): 196 (1990): Phelypaea lanuginosa.
- nikitae E.S. Terekhin in *Novosti Sist. Vyssh. Rast.* 24: 160 (1987)—U.S.S.R. (Middle Asia).
- rechingeri (Gilli) J. Holub in *Preslia*, 62(3): 196 (1990): Orobanche rechingeri.

**PHELLODENDRON** (Rutac.).

- amurense  
var. *molle* (Nakai) S.H. Li & S.Z. Liou in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1051 (1988): P. *molle*.

**PHELYPAEA** (Scrophulariac.).

- ambigua A. Bunge, *Beitr. Fl. Russl.*: 253 (1852)—U.S.S.R. (Middle Asia).†

**PHILADELPHUS** (Hydrangeac.).

- laxu C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 201 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.

**PHILIPPIA** (Ericac.).

- drakensbergensis E.G.H. Oliver in *Bothalia*, 15(3-4): 550 (1985)—South Africa (Natal, Cape Province), Lesotho.

**PHILODENDRON** (Arac.).

- subsect. *Bulaoanum* S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 168 (1989), nom. nov.: P. "Gruppe" § *Doratophyllum Engler*.
- subsect. *Canniphyllum* (Schott) S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 168 (1989): P. *grex Canniphyllum*.
- subsect. *Eucardium* (Engler) S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 168 (1989): P. "Gruppe" § *Eucardium*.
- subsect. *Oligocarpidium* (Engler) S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 168 (1989): P. "Gruppe" § *Oligocarpidium*.
- sect. *Philopsammis* G.S. Bunting in *Phytologia*, 60(5): 306 (1986).
- subgen. *Pteromischum* (Schott) S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 168 (1989): P. *grex Pteromischum*.
- amplisium* G.S. Bunting in *Phytologia*, 60(5): 307 (1986)—Venezuela.
- anaadu* G.S. Bunting in *Phytologia*, 60(5): 309 (1986)—Venezuela.
- appunii* G.S. Bunting in *Phytologia*, 60(5): 310 (1986)—Venezuela.
- azulitense* T.B. Croat in *Aroideana*, 9(1-4): 79 (1986)—Venezuela.
- benitezii* T.B. Croat in *Aroideana*, 9(1-4): 84 (1986)—Venezuela.
- borgesii* G.S. Bunting in *Phytologia*, 60(5): 310 (1986)—Venezuela.
- brevispathum*  
subsp. *holmquistii* (Bunt.) G.S. Bunting in *Phytologia*, 64(6): 446 (1988): P. *holmquistii*.
- var. *wurdackii* T.B. Croat in *Aroideana*, 9(1-4): 88 (1986)—Venezuela.
- buntingianum* T.B. Croat in *Aroideana*, 9(1-4): 89 (1986)—Venezuela.
- calatheifolium* G.S. Bunting in *Phytologia*, 60(5): 311 (1986)—Venezuela.
- callosum*  
subsp. *ptarianum* (Steyerm.) G.S. Bunting in *Phytologia*, 64(6): 467 (1988): P. *ptarianum*.

**PHILODENDRON** :-

- canaimae G.S. Bunting in *Phytologia*, 60(5): 313 (1986)—Venezuela.
- cataniapoense G.S. Bunting in *Phytologia*, 60(5): 314 (1986)—Venezuela.
- conforme G.S. Bunting in *Phytologia*, 64(6): 467 (1988)—Venezuela.
- consobrinum G.S. Bunting in *Phytologia*, 60(5): 314 (1986)—Venezuela.
- dardanianum S.J. Mayo in *Bot. J. Linn. Soc.*, 100(2): 164 (1989), without latin descr. or type—Brazil.
- davidsei G.S. Bunting in *Phytologia*, 60(5): 316 (1986)—Venezuela.
- delascioi G.S. Bunting in *Phytologia*, 60(5): 317 (1986)—Venezuela.
- dyscarpium  
var. venturarium G.S. Bunting in *Phytologia*, 60(5): 317 (1986)—Venezuela.
- effusilobum T.B. Croat in *Aroideana*, 9(1-4): 99 (1986)—Venezuela.
- englerianum  
subsp. duidae (Steierm.) G.S. Bunting in *Phytologia*, 64(6): 468 (1988): P. duidae.
- exile G.S. Bunting in *Phytologia*, 60(5): 319 (1986)—Venezuela.
- glanduliferum  
subsp. camiloanum T.B. Croat in *Aroideana*, 9(1-4): 109 (1986)—Venezuela.
- guaiquinimae G.S. Bunting in *Phytologia*, 60(5): 319 (1986)—Venezuela.
- holstii G.S. Bunting in *Phytologia*, 64(6): 468 (1988)—Venezuela.
- inaequilaterum  
subsp. anthoblastum G.S. Bunting in *Phytologia*, 60(5): 319 (1986)—Venezuela.
- kautskyi G.S. Bunting in *Phytologia*, 61(7): 441 (1987)—Brazil.
- liesneri G.S. Bunting in *Phytologia*, 60(5): 320 (1986)—Venezuela.
- linnaei  
var. rionegrense G.S. Bunting in *Phytologia*, 64(6): 469 (1988)—Venezuela.
- marahuacae G.S. Bunting in *Phytologia*, 60(5): 320 (1986)—Venezuela.
- mawarinumae G.S. Bunting in *Phytologia*, 64(6): 471 (1988)—Venezuela.
- milleri T.B. Croat in *Aroideana*, 9(1-4): 132 (1986)—Venezuela.
- multinervum G.S. Bunting in *Phytologia*, 60(5): 322 (1986)—Venezuela.
- nebulense G.S. Bunting in *Phytologia*, 64(6): 471 (1988)—Venezuela.
- orionis G.S. Bunting in *Phytologia*, 60(5): 322 (1986)—Venezuela.
- panduriforme  
var. reichenbachianum (Schott) T.B. Croat in *Aroideana*, 9(1-4): 140 (1986): P. reichenbachianum.
- peperomioides G.S. Bunting in *Phytologia*, 64(6): 472 (1988)—Venezuela.
- peraiense G.S. Bunting in *Phytologia*, 60(5): 324 (1986)—Venezuela.
- perplexum G.S. Bunting in *Phytologia*, 60(5): 325 (1986)—Venezuela.
- phlebodes  
var. kermesinum G.S. Bunting in *Phytologia*, 64(6): 474 (1988)—Venezuela.
- remifolium  
subsp. sabulosum (Bunt.) G.S. Bunting in *Phytologia*, 64(6): 467 (1988): P. sabulosum.
- rhodoaxis  
var. angustifolium G.S. Bunting in *Phytologia*, 60(5): 325 (1986)—Venezuela.
- roraimae  
subsp. aracumuniense G. Bunting in *Ann. Missouri Bot. Gard.*, 76(4): 948 (1989)—Venezuela.
- rothschuhianum (Engl. & Krause) T.B. Croat & M.H. Grayum in *Ann. Missouri Bot. Gard.*, 74(3): 660 (1987); *Syngonium rothschuhianum*.
- sabulosum G.S. Bunting in *Phytologia*, 60(5): 326 (1986)—Venezuela.
- samayense G.S. Bunting in *Phytologia*, 64(6): 475 (1988)—Venezuela.
- scitulum G.S. Bunting in *Phytologia*, 64(6): 475 (1988)—Venezuela.
- simulans G.S. Bunting in *Phytologia*, 64(6): 476 (1988)—Venezuela.

**PHILODENDRON** :-

- spiritus-sancti G.S. Bunting in *Phytologia*, 61(7): 441 (1987)—Brazil.
- strictum G.S. Bunting in *Phytologia*, 60(5): 328 (1986)—Venezuela.
- sucrensis G.S. Bunting in *Phytologia*, 60(5): 329 (1986)—Venezuela.
- tachirensis G.S. Bunting in *Phytologia*, 60(5): 330 (1986)—Venezuela.
- tatei  
subsp. melanochlorum (Bunt.) G.S. Bunting in *Phytologia*, 60(5): 332 (1986): P. melanochlorum.
- triangulare G.S. Bunting in *Phytologia*, 60(5): 332 (1986)—Venezuela.
- triplum G.S. Bunting in *Ann. Missouri Bot. Gard.*, 76(3): 917 (1989)—Venezuela.
- venosum (Willd.) T.B. Croat in *Aroideana*, 9(1-4): 157 (1986): *Pothos venosa*.
- victoriae G.S. Bunting in *Phytologia*, 60(5): 333 (1986)—Venezuela.
- wurdackii G.S. Bunting in *Phytologia*, 60(5): 333 (1986)—Venezuela.
- yaracuyense T.B. Croat in *Aroideana*, 9(1-4): 164 (1986)—Venezuela.
- yavitense G.S. Bunting in *Phytologia*, 60(5): 335 (1986)—Venezuela.
- yutajense G.S. Bunting in *Phytologia*, 64(6): 478 (1988)—Venezuela.

**PHILOXERUS** (Amaranthac.).

- brasiliensis R. Br. ex Sweet, *Hort. Suburb. Lond.*: 48 (1818); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.
- vermiculatus (L.) Sm. in Rees, *Cyclop.*, 27(1): Philoxerus no. 3 (1814); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981): Basionym not stated.

**PHILYDRELLA** (Philydrac.).

- drummondii L.G. Adams in *Fl. Australia*, 45: 454, 42 (1987)—Australia (W. Australia).
- pygmaea  
subsp. minima L.G. Adams in *Fl. Australia*, 45: 454, 43 (1987)—Australia (W. Australia).

**PHLEBOCARYA** (Haemodorac.).

- pilosissima  
subsp. teretifolia T.D. Macfarlane in *Fl. Australia*, 45: 465, 131 (1987)—Australia (W. Australia).

**PHLEUM** (Gramin.).

- ser. Hirsuta O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 78 (1977 publ. 1978).
- ser. Montana O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 79 (1977 publ. 1978).
- ser. Phleioidea O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 81 (1977 publ. 1978).
- arenarium  
subsp. caesium H. Scholz in *Willdenowia*, 19(2): 407 (1990)—Italy, France.
- exaratum  
subsp. breviglume (Bornm.) H. Scholz in *Willdenowia*, 19(2): 41 (1990): P. arenarium f. breviglume.
- hirsutum  
subsp. dactylinum A.G. Helm in *Ber. Bot.-Zool. Ges. Liechtenstein-S.-W.*, 17: 11 (1988)—Switzerland.
- paniculatum  
subsp. annum (M. Bieb.) J. Holub in *Folia Geobot. Phytotax.* 23(4): 413 (1988): P. annum.
- parviceps (Briq.) A.W. Hill in *Index Kewensis*, Suppl. 6: 152 (1916-20 publ. 1926): P. alpinum var. parviceps.
- tzvelevii O.N. Dubovik in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 75 (1977 publ. 1978)—U.S.S.R. (Caucasus).
- vulgare (Celak.) A. Chase & C.D. Niles in *Index Grass Sp.*, 3: 81 (1962): P. pratense vulgare.

**PHLOGACANTHUS** (Acanthac.).

- quadrangularis (Hook.) H. Heine in *Bull. Mus. Nation. Hist. Nat.*, 6, Adansonii, Ser. 4, 10(2): 148 (1988): *Justicia quadrangularis*.

**PHLOMIS** (Labiata.).

- subsect. Albiflorae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1167 (1990).
- subsect. Angustissimae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1165 (1990).
- subsect. Australes R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1167 (1990).
- subsect. Brevispiniae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1167 (1990).
- subsect. Gymnophlomis R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1165 (1990).
- sect. Gymnophlomis (Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1164 (1990): P. § Gymnophlomis.
- sect. Lychnites (Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1165 (1990): P. § Lychnites.
- subsect. Macrodonia R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1165 (1990).
- sect. Oncophlomis R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1164 (1990).
- subsect. Oppositiflorae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1165 (1990).
- subsect. Orientales R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1166 (1990).
- subsect. Oxyphlomis R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1166 (1990).
- sect. Oxyphlomis (Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1166 (1990): P. § Oxyphlomis.
- subsect. Paradendrophlomis R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1166 (1990).
- sect. Platyphlomis R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1164 (1990).
- subsect. Rigidiae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1166 (1990).
- subsect. Samiae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1167 (1990).
- subsect. Viscosae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(8): 1164 (1990).
- brevidentata H.W. Li in *Fl. Xizangica*, 4: 157 (1985)—Xizang.
- ×composita  
nothovar. almijarensis (Pau) I. Mateu in *Acta Bot. Malacitana*, 11: 193 (1986): P. × almijarensis.
- nothovar. malacitana (Pau) I. Mateu in *Acta Bot. Malacitana*, 11: 194 (1986): P. crinita var. malacitana.
- nothovar. trullenquei (Pau) I. Mateu in *Acta Bot. Malacitana*, 11: 193 (1986): P. × trullenquei.
- herba-venti  
var. laxiflora (Vel.) Iv. Asenov in *Fl. Nar. Republ. Bulgariya*, 9: 419 (1989): P. pungens subsp. laxiflora.
- ×margaritae A. Aparicio & S. Silvestre in *Lagascalia*, 14(1): 100 (1986)—Spain. (P. composita × purpurea).
- nana C.Y. Wu in *Fl. Xizangica*, 4: 154 (1985)—Xizang.
- nyalamensis H.W. Li in *Fl. Xizangica*, 4: 157 (1985)—Xizang.
- thapsoides A. Bunge, *Beitr. Fl. Russl.*: 264 (1852)—U.S.S.R. (Middle Asia).†
- umbrosa  
var. subaustralis K.T. Fu & J.Q. Fu in *Fl. Tsinglingensis*, 1(4): 398, 246 (1983)—China.
- var. sylvatica K.T. Fu & J.Q. Fu in *Fl. Tsinglingensis*, 1(4): 398, 246 (1983)—China.

**PHLOMOIDES** (Labiata.).

- subsect. Alpinae (Knorr.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990).
- subsect. Annuae R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 245 (1990).
- subsect. Cordatae (M. Pop.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 246 (1990): *Eremostachys* grex *Cordatae*.
- sect. Filipendula R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 245 (1990).
- sect. Filipendula (M. Pop.) T.A. Adylov, R.V. Kamelin & A. Makhmedov in *Novosti Sist. Vyssh. Rast.*, 23: 111 (1986), bas. not valid: *Eremostachys* sect. *Filipendula*.
- subsect. Fulgentes (M. Pop.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 248 (1990): *Eremostachys* grex *Fulgentes*.

## PHLOMOIDES :-

- subsect. *Gymnocalyces* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* grex *Gymnocalyces*.
- subsect. *Hissaricae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 247 (1990).
- subsect. *Integrifoliae* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 246 (1990): *Eremostachys* grex *Integrifoliae*.
- subsect. *Labiosae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990).
- subsect. *Laciniatae* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 248 (1990): *Eremostachys* grex *Laciniatae*.
- subsect. *Lyratae* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 247 (1990): *Eremostachys* grex *Lyratae*.
- subsect. *Melananthae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990).
- subsect. *Mulienses* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990), as 'comb. nov.' with 3 basionyms, but valid as new taxon.
- subsect. *Orientalis* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 242 (1990).
- subsect. *Regelianae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 250 (1990).
- subsect. *Rhodanthae* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 246 (1990): *Eremostachys* grex *Rhodanthae*.
- subsect. *Speciosae* (M. Pop.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 248 (1990): *Eremostachys* grex *Speciosae*.
- subsect. *Spectabiles* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 247 (1990).
- subsect. *Tetragonae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990).
- subsect. *Tianschanicae* R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990).
- subsect. *Vulnerantes* (Rech. f. & Koeie) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Eremostachys* grex *Vulnerantes*.
- adenantha* (Jaub. & Spach) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* *adenantha*.
- admirabilis* (Tschern.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990): *Phlomis* *admirabilis*.
- agraria* (Bge.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 106 (1987): *Phlomis* *agraria*.
- alaica* (Knorr.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 107 (1987): *Phlomis* *alaica*.
- alberti* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 101 (1987): *Eremostachys* *alberti*.
- alpina* (Pall.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 104 (1987): *Phlomis* *alpina*.
- ambigua* (M. Pop. ex Pazij & Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 95 (1987): *Eremostachys* *ambigua*.
- ambigua* (Hand.-Mazz.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 242 (1990): *Phlomis* *ambigua*.
- andersii* (Rech. f.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 246 (1990): *Eremostachys* *andersii*.
- angreni* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 101 (1987): *Eremostachys* *angreni*.
- arctifolia* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 102 (1987): *Eremostachys* *arctifolia*.
- ariana* (Hedge) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* *ariana*.
- atropurpurea* (Dunn) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990): *Phlomis* *atropurpurea*.
- azerbaijanica* (Rech. f.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* *azerbaijanica*.
- baburii* (Adyl.) T.A. Adylov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): *Eremostachys* *baburii*.
- baissunensis* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 96 (1987): *Eremostachys* *baissunensis*.

## PHLOMOIDES :-

- baldschuanica* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 95 (1987): *Eremostachys* *baldschuanica*.
- bamianica* (Rech. f.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 248 (1990): *Eremostachys* *bamianica*.
- beckeri* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 92 (1987): *Eremostachys* *beckeri*.
- betonicoides* (Diels) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990): *Phlomis* *betonicoides*.
- boissieriana* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 91 (1987): *Eremostachys* *boissieriana*.
- botschantzevii* (Adyl.) T.A. Adylov in *Opred. Rast. Sred. Azii*, 9: 94 (1987): *Eremostachys* *botschantzevii*.
- brachystegia* (Bge.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 103 (1987): *Phlomis* *brachystegia*.
- bracteosa* (Royle ex Benth.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *bracteosa*.
- breviflora* (Benth.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *breviflora*.
- bungei* (Regel) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 250 (1990): *Eremostachys* *bungei*.
- burmanica* (Mukerjee) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990): *Phlomis* *burmanica*.
- canescens* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 104 (1987): *Phlomis* *canescens*.
- cephalarifolia* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 96 (1987): *Eremostachys* *cephalarifolia*.
- chinghoensis* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990): *Phlomis* *chinghoensis*.
- codonocalyx* (Rech. f.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 250 (1990): *Eremostachys* *codonocalyx*.
- congesta* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *congesta*.
- cordifolia* (Regel) T.A. Adylov, R.V. Kamelin & A.M. Makhmedov in *Novosti Sist. Vyssh. Rast.*, 23: 115 (1986): *Eremostachys* *cordifolia*.
- czuiliensis* (Golosh.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 96 (1987): *Eremostachys* *czuiliensis*.
- dentosa* (Franch.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990): *Phlomis* *dentosa*.
- dszumrutensis* (Afan.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 105 (1987): *Phlomis* *dszumrutensis*.
- ebracteolata* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): *Eremostachys* *ebracteolata*.
- ericalyx* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 99 (1987): *Eremostachys* *ericalyx*.
- ferganensis* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 104 (1987): *Phlomis* *ferganensis*.
- fetisowii* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 102 (1987): *Eremostachys* *fetisowii*.
- fimbriata* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990): *Phlomis* *fimbriata*.
- forrestii* (Diels) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990): *Phlomis* *forrestii*.
- franchetiana* (Diels) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 243 (1990): *Phlomis* *franchetiana*.
- freitagii* (Rech. f.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 246 (1990): *Eremostachys* *freitagii*.
- fulgens* (Bge.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 94 (1987): *Eremostachys* *fulgens*.

## PHLOMOIDES :-

- glabra* (Boiss. ex Benth.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 246 (1990): *Eremostachys* *glabra*.
- gymnocalyx* (Schrenk) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 99 (1987): *Eremostachys* *gymnocalyx*.
- gymnoclada* (Rech. f. & Koeie) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 247 (1990): *Eremostachys* *gymnoclada*.
- gypsacea* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): *Eremostachys* *gypsacea*.
- hajastanica* (Sosn.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* *hajastanica*.
- hissarica* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 101 (1987): *Eremostachys* *hissarica*.
- hybrida* (Zelen.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 242 (1990): *Phlomis* *hybrida*.
- hyoscyamoides* (Boiss. & Buhse) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 250 (1990): *Eremostachys* *hyoscyamoides*.
- iliensis* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 98 (1987): *Eremostachys* *iliensis*.
- impressa* (Pazij & Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): *Eremostachys* *impressa*.
- inaequalisepala* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *inaequalisepala*.
- integior* (Pazij & Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 98 (1987): *Eremostachys* *integior*.
- jeholensis* (Nakai & Kitagawa) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 242 (1990): *Phlomis* *jeholensis*.
- kamelinii* A.M. Makhmedov in Bot. Zhurn., 75(2): 248 (1990), nom. nov., without replaced synonym: Replaced synonym not stated.
- kansuensis* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 242 (1990): *Phlomis* *kansuensis*.
- kaufmanniana* (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 92 (1987): *Eremostachys* *kaufmanniana*.
- kirghisorum* T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 99 (1987), nom. nov.: *Eremostachys* *ferganensis* *Ubuk*.
- knorringiana* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 107 (1987): *Phlomis* *knorringiana*.
- koraiensis* (Nakai) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 245 (1990): *Phlomis* *koraiensis*.
- korovinii* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 102 (1987): *Eremostachys* *korovinii*.
- labiosa* (Bge.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 92 (1987): *Eremostachys* *labiosa*.
- labiosiformis* (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 97 (1987): *Eremostachys* *laciniata* var. *labiosaeformis*.
- labiosissima* (Pazij & Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 94 (1987): *Eremostachys* *labiosissima*.
- laciniata* (L.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Phlomis* *laciniata*.
- laevigata* (Bunge) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 249 (1990): *Eremostachys* *laevigata*.
- lamifolia* (Royle ex Benth.) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *lamifolia*.
- lanatifolia* A.M. Makhmedov in *Novosti Sist. Vyssh. Rast.*, 23: 115 (1986)—U.S.S.R. (Middle Asia).
- lehmanniana* (Bge.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 101 (1987): *Eremostachys* *lehmanniana*.
- leicalyx* (Pazij & Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): *Eremostachys* *leicalyx*.
- likiangensis* (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in Bot. Zhurn., 75(2): 244 (1990): *Phlomis* *likiangensis*.



**PHLOMOIDES** :-

- loasifolia (Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 247 (1990): Eremostachys loasifolia.
- longicalyx (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis longicalyx.
- lyrata (M. Pop.) T.A. Adylov in *Opred. Rast. Sred. Azii*, 9: 97 (1987): Eremostachys sarawschanica f. lyrata.
- macrophylla (Wall.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis macrophylla.
- maximowiczii (Regel) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis maximowiczii.
- medicinalis (Diels) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis medicinalis.
- megalantha (Diels) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis megalantha.
- melanantha (Diels) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis melanantha.
- mihaelis T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 99 (1987), nom. nov.: Eremostachys canescens M. Pop.
- milingensis (G.Y. Wu & H.W. Li) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis milingensis.
- mongolica (Turcz.) R.V. Kamelin & A.L. Budantsev in *Byull. Mosk. Obshch. Ispyt. Priro.*, 95(1): 120 (1990): Phlomis mongolica.
- mongolica (Turcz.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis mongolica.
- multiensis (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis multiensis.
- napuligera (Franch.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 93 (1987): Eremostachys napuligera.
- nuda (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 97 (1987): Eremostachys nuda.
- oreophila (Kar. & Kir.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 105 (1987): Phlomis oreophila.
- omata (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis omata.
- ostrowskiana (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 103 (1987): Phlomis ostrowskiana.
- paohsingensis (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis paohsingensis.
- pararotata (Sun) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 245 (1990): Phlomis pararotata.
- parapamisica (Rech. f.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 250 (1990): Eremostachys parapamisica.
- pauciflora (Kuntze) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 91 (1987): Eremostachys pauciflora.
- pectinata (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 98 (1987): Eremostachys pectinata.
- pedunculata (Sun) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis pedunculata.
- popovii (Gontsch.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 94 (1987): Eremostachys popovii.
- pratensis (Kar. & Kir.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 105 (1987): Phlomis pratensis.
- puberula (Kryl. & Serg.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 106 (1987): Phlomis puberula.
- pulchra (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 94 (1987): Eremostachys pulchra.
- pulvinaris (Faub. & Spach) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 249 (1990): Eremostachys pulvinaris.

**PHLOMOIDES** :-

- pygmaea (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis pygmaea.
- rastagalensis (Hedge) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 248 (1990): Eremostachys rastagalensis.
- regelia (Aitch. & Hemsl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 91 (1987): Eremostachys regelia.
- ruptilis (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis ruptilis.
- salangensis (Rech. f.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 248 (1990): Eremostachys salangensis.
- sanglechensis (Rech. f.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 248 (1990): Eremostachys sanglechensis.
- sarawschanica (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 96 (1987): Eremostachys sarawschanica.
- schugnanica (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 97 (1987): Eremostachys speciosa var. schugnanica.
- septentrionalis (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 98 (1987): Eremostachys nuda var. septentrionalis.
- setifera (Bur. & Franch.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis setifera.
- setigera (Falc. ex Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis setigera.
- similis (Tschern.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis similis.
- speciosa (Rupr.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 95 (1987): Eremostachys speciosa.
- spectabilis (Falc. ex Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 245 (1990): Phlomis spectabilis.
- stenocalycina (Rech. f.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 247 (1990): Eremostachys stenocalycina.
- stocksii (Boiss.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 249 (1990): Eremostachys stocksii.
- strigosa (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis strigosa.
- subspicata (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 92 (1987): Eremostachys subspicata.
- superba (Royle ex Benth.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 248 (1990): Eremostachys superba.
- szechuanensis (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis szechuanensis.
- tadschikistanica (B. Fedtsch.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 92 (1987): Eremostachys tadschikistanica.
- tatsienensis (Bur. & Franch.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Phlomis tatsienensis.
- tianschanica (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 102 (1987): Eremostachys tianschanica.
- tibetica (Marquand & Airy-Shaw) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 243 (1990): Phlomis tibetica.
- tournefortii (Faub. & Spach) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 249 (1990): Eremostachys tournefortii.
- tschimganica (Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 106 (1987): Phlomis tschimganica.
- tuvinica (Schreter) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis tuvinica.
- tythaster (Vved.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 104 (1987): Phlomis tythaster.
- umbrosa (Turcz.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis umbrosa.
- uniceps (G.Y. Wu) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 242 (1990): Phlomis uniceps.

**PHLOMOIDES** :-

- uniflora (Rgl.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 100 (1987): Eremostachys uniflora.
- urodonta (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 106 (1987): Phlomis urodonta.
- vavilovii (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 103 (1987): Phlomis vavilovii.
- vicaryi (Benth. ex Hook. f.) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 247 (1990): Eremostachys vicaryi.
- vulnerans (Rech. f. & Koeie) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 244 (1990): Eremostachys vulnerans.
- younghusbandii (Mukerjee) R.V. Kamelin & A.M. Makhmedov in *Bot. Zhurn.*, 75(2): 245 (1990): Phlomis younghusbandii.
- zenaidae (M. Pop.) T.A. Adylov, R. Kam. & A. Makhmedov in *Opred. Rast. Sred. Azii*, 9: 101 (1987): Eremostachys zenaidae.

**PHLOX** (Polemoniaceae).

- austromontana var. jonesii (Wherry) S.L. Welsh in *Great Basin Nat.*, 45(4): 792 (1985); P. jonesii.
- var. lutescens S.L. Welsh in *Great Basin Nat.*, 45(4): 792 (1985)—U.S.A. (Utah).
- azurea G.L. Smith in *Wasmann J. Biol.*, 43(1-2): 43 (1985 publ. 1986)—U.S.A. (California).

**PHOEBE** (Lauraceae).

- chavarriana B.E. Hammel in *J. Arnold Arbor.*, 67(1): 131 (1986)—Costa Rica.
- elegans H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 415 (1988)—Mexico.
- glabra H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 406 (1987)—Mexico.
- glaucofolia S.K. Lee & F.N. Wei in *Guihaia*, 8(4): 298 (1988)—China, Xizang.
- hammeliana W. Burger in *Fieldiana, Bot.*, 23: 113 (1990)—Costa Rica, Panama.
- puwenensis W.C. Cheng in *Sci. Silvae Sin.*, 8(1): 3 (1963)—China.
- scortechinii (Gamb.) K.M. Kochummen in *Tree Fl. Malaya*, 4: 177 (1989), with incorrect basionym ref.: Machilus scortechinii.

**PHOLIDOTA** (Orchidaceae).

- sect. Acanthoglossum (Blume) E.F. de Vogel in *Orchid Monogr.*, 3: 9 (1988): gen. Acanthoglossum.
- sect. Advena E.F. de Vogel in *Orchid Monogr.*, 3: 18 (1988).
- sect. Chinenses (Rech. f.) E.F. de Vogel in *Orchid Monogr.*, 3: 41 (1988): Coelogyne sect. Chinenses.
- sect. Repentes E.F. de Vogel in *Orchid Monogr.*, 3: 67 (1988).
- aidiolepis G. Seidenfaden & E.F. de Vogel in *Op. Bot.*, 89: 106 (1986)—Thailand.
- bracteata (D. Don) G. Seidenfaden in *Op. Bot.*, 89: 100 (1986): Pitlocnema bracteatum.
- camelotalix var. vaginata (Carr) E.F. de Vogel in *Orchid Monogr.*, 3: 30 (1988): P. vaginata.
- carnea var. parviflora (Hooker f.) E.F. de Vogel in *Orchid Monogr.*, 3: 55 (1988): P. parviflora.
- var. pumila (Ridley) E.F. de Vogel in *Orchid Monogr.*, 3: 56 (1988): P. parviflora var. pumila.
- longilabra E.F. de Vogel in *Orchid Monogr.*, 3: 34 (1988), nom. nov.: P. rupestris f. J. Smith.
- mediocris E.F. de Vogel in *Orchid Monogr.*, 3: 12 (1988)—Borneo (Sarawak, Kalimantan).
- wenshanica S.C. Chen & Z.H. Tsi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 7 (1988)—China.

**PHORADENDRON** (Viscaceae).

- balslevii J. Kuijt in *Fl. Ecuador*, 24(32B): 31(1986)—Ecuador.
- breedlovei J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 140 (1990)—Mexico.
- burkartii C.T. Rizzini & E.A. Ulibarri in *Darwiniana*, 27(1-4): 499 (1986)—Argentina.
- dolichocarpum J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 142 (1990)—Mexico.
- fasciculatum J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 517 (1987)—Panama, Colombia.

**PHORADENDRON** :-

- furcatum *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 143 (1990)—Belize.  
 guatemalense *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 144 (1990)—Guatemala, Mexico.  
 iltisiorum *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 147 (1990), as 'iltisii'—Mexico.  
 lentii *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 148 (1990)—Honduras.  
 leucarpum (*Raf.*) *J.L. Reveal & M.C. Johnston in Taxon*, 38(1): 107 (1989): *Viscum leucarpum*.  
 lundellii *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 150 (1990)—Belize, Costa Rica.  
 macrocarpum *J. Kuijt in Fl. Ecuador*, 24(32B): 37 (1986)—Ecuador.  
 madisonii *J. Kuijt in Fl. Ecuador*, 24(32B): 46 (1986)—Ecuador.  
 matudae *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 151 (1990)—Mexico.  
 molinae *J. Kuijt in Ann. Missouri Bot. Gard.*, 74(3): 517 (1987)—Nicaragua.  
 nitens *J. Kuijt in Ann. Missouri Bot. Gard.*, 74(3): 519 (1987)—Costa Rica, Nicaragua, Panama.  
 pedicellatum (*Van Tieghem*) *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 152 (1990): *Dendrophthora pedicellata*.  
 ramosissimum *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 153 (1990)—Mexico.  
 spathulatum *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 155 (1990)—Mexico.  
 tardispicum *J. Kuijt in Ann. Missouri Bot. Gard.*, 74(3): 521 (1987)—Panama.  
 teretifolium *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 156 (1990)—Mexico.  
 tikalense *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 156 (1990)—Guatemala, Mexico, Honduras.  
 uniseriale *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 159 (1990), contrary to Art. 37.5 ICBN (1988)—Colombia.  
 wiensii *J. Kuijt in Fl. Ecuador*, 24(32B): 44 (1986)—Ecuador.  
 zelayanum *J. Kuijt in Ann. Missouri Bot. Gard.*, 74(3): 521 (1987)—Nicaragua.

**PHOTINIA** (Rosac.).

- austroguizhouensis *Y.K. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 107 (1986)—China.  
 dabeishanensis *M.B. Deng & G. Yao in Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen*, 1984-1985: 126 (1986)—China.  
 lipingensis *Y.K. Li & M.Z. Yang in Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 134 (1988)—China.  
 parvifolia  
   *var. chingshuiensis* (*T. Shimizu*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 1: 358 (1985): *Pourthiaea chingshuiensis*.  
 serratifolia  
   *var. ardisiifolia* (*Hayata*) *H. Ohashi in J. Jap. Bot.*, 63(7): 234 (1988): *P. ardisiifolia*.  
   *var. lasiopetala* (*Hayata*) *H. Ohashi in J. Jap. Bot.*, 63(7): 234 (1988): *P. lasiopetala*.  
 simplex *Y.K. Li & X.M. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 133 (1988)—China.  
 subparvifolia *Y.K. Li & X.M. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 108 (1986)—China.

**PHRAGMIPEDIUM** (Orchidac.).

- xerophyticum *M.A. Soto, G.A. Salazar & E. Hagsater in Orquidea (México)*, 12(1): 2 (1990)—Mexico.

**PHRAGMITES** (Gramin.).

- australis (*Cav.*) *Steudel, Nomencl. Bot.*, ed. 2, 1: 143 (1840): *Arundo australis*.†  
   *var. berlandieri* (*Fourn.*) *C.F. Reed in Phytologia*, 63(5): 410 (1987): *P. berlandieri*.  
   *subsp. chrysanthus* (*Mabille*) *M. Kerguelen in Lejeunia*, 120: 139 (1987): *P. chrysanthus*.  
 egmontianus (*Roemer & Schultes*) *Steudel, Nomencl. Bot.*, ed. 2, 1: 144 (1840), as 'egmontiana': *Arundo egmontiana*.†  
 pungens *Chevallier ex A. Chevalier in Bull. Mus. Hist. Nat. (Paris)*, Sér. 2, 5: 84 (1933), nom. nov.: *P. communis* *var. stenophylla* *Boiss.*

**PHREATIA** (Orchidac.).

- bigibbula *P.J. Kores in Allertonia*, 5(1): 173 (1989)—Fiji.

**PHREATIA** :-

- flavovirens *P.J. Kores in Allertonia*, 5(1): 178 (1989)—Fiji.  
 gillespiei *P.J. Kores in Allertonia*, 5(1): 172 (1989)—Fiji.  
 pentagona *P.J. Kores in Allertonia*, 5(1): 176 (1989)—Fiji.

**PHRYMA** (Phrymac.).

- asiatica (*Hara*) *N.S. Probatova in Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 365 (1989): *P. leptostachya* *var. asiatica*.

**PHRYNIUM** (Marantac.).

- rheedei *C.R. Suresh & D.H. Nicolson in Taxon*, 35(2): 355 (1986), nom. nov.: *Pontederia ovata* *L.*

**PHTHIRUSA** (Loranthac.).

- castillana *C.T. Rizzini in Rev. Brasil. Biol.*, 47(3): 455 (1987)—Venezuela.  
 delicatula *C.T. Rizzini in Rev. Brasil. Biol.*, 47(3): 456 (1987)—Venezuela.  
 disjunctifolia (*Rizzini*) *J. Kuijt in Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 114 (1990): *Furarium disjunctifolium*.  
 geniculifera *C.T. Rizzini & A. de Mattos-Filho in Rev. Brasil. Biol.*, 46(2): 319 (1986)—Brazil.  
 verruculosa *C.T. Rizzini in Rev. Brasil. Biol.*, 47(3): 456 (1987)—Venezuela.

**PHYLLACTIS** (Valerianac.).

- rigida  
   *var. tenuifolia* (*Ruiz & Pav.*) *B.B. Larsen in Nordic J. Bot.*, 6(4): 437 (1986): *Valeriana tenuifolia*.

**PHYLLAGATHIS** (Melastomatac.).

- brevipedunculata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 38 (1990)—Laos.  
 dichotoma *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 driessenioides *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 fengii *C. Hansen in Nordic J. Bot.*, 10(1): 23 (1990), nom. nov.: *Cyphotheca hispida* *S.Y. Hu*.  
 longicalcarata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 magnifica *A. Weber in Pl. Syst. Evol.*, 157(3-4): 189 (1987)—Malaya.  
 maxwellii *B.C. Stone & A. Weber in Proc. Acad. Nat. Sci. Philadelphia*, 139(1): 307 (1987)—Malaya.  
 prostrata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 sessilifolia *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 stonoi *A. Weber in Pl. Syst. Evol.*, 157(3-4): 192 (1987)—Malaya.  
 suberalata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 39 (1990)—Vietnam.  
 subrotunda *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 40 (1990)—Vietnam.  
 tentaculifera *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 40 (1990)—China.  
 truncata *C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 12(1): 40 (1990)—Vietnam.

**PHYLLANTHODENDRON** (Euphorbiac.).

- sect. *Tetrandrum* *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 73(3): 8 (1987).  
 breynioides *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 6 (1987)—China.  
 caudatifolium *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 7 (1987)—China.  
 moi (*P.T. Li*) *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 9 (1987): *Phyllanthus moi*.  
 orbicularifolium *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 5 (1987)—China.  
 petraeum *P.T. Li in Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 4 (1987)—China.

**PHYLLANTHUS** (Euphorbiac.).

- subsect. Applanata* *L.J.M. Santiago in Bradea*, 5(2): 45 (1988), without type.  
*subgen. Metaphyllanthus* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 382 (1987).  
*subsect. Urinaria* *R. Haicour & Rossignol in Amer. J. Bot.*, 74(12): 1857 (1987 publ. 1988).  
*amicorum* *G.L. Webster in Pac. Sci.*, 40(1-4): 100 (1986 publ. 1987)—Tonga.  
*barbarae* *M.C. Johnston in Syst. Bot.*, 11(1): 35 (1986)—Mexico.  
*borrenensis* *M.G. Gilbert in Kew Bull.*, 42(2): 354 (1987)—Ethiopia.  
*dewildeorum* *M.G. Gilbert in Kew Bull.*, 42(2): 356 (1987), as 'dewildiorum'—Ethiopia.  
*dongfangensis* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 382 (1987)—Hainan.  
*edmundoi* *L.J.M. Santiago in Bradea*, 5(2): 46 (1988)—Brazil.  
*embergeri* *R. Haicour & Rossignol in Amer. J. Bot.*, 74(12): 1860 (1987 publ. 1988)—Vietnam, China, Hong Kong, Taiwan, India.  
*fanchengensis* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 377 (1987)—China.  
*fimbriolax* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 380 (1987)—China.  
*gentryi* *G.L. Webster in Ann. Missouri Bot. Gard.*, 75(3): 1096 (1988)—Panama.  
*goianensis* *L.J.M. Santiago in Bradea*, 5(2): 45 (1988)—Brazil.  
*guangdongensis* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 376 (1987)—China.  
*leptocladius*  
   *var. pubescens* *P.T. Li & D.Y. Liu in Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 181 (1986)—China.  
*megacarpa* (*Gamble*) *G.R. Kumari & M. Chandrabose in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 238 (1987): *Reidia megacarpa*.  
*montrouzieri* *A. Guillaumin in Ann. Soc. Bot. Lyon*, 38: 109 (1913 publ. 1914); *et Sp. Montrouz.*: 35 (1914) (reprint)—New Caledonia.†  
*mooneyi* *M.G. Gilbert in Kew Bull.*, 42(2): 357 (1987)—Ethiopia.  
*nanellus* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 376 (1987)—Hainan.  
*nozeranii* *Rossignol & R. Haicour in Amer. J. Bot.*, 74(12): 1858 (1987 publ. 1988)—Vietnam, China, Thailand, Malaya, Laos, Cambodia, India.  
*oblongiglands* *M.G. Gilbert in Kew Bull.*, 42(2): 359 (1987)—Ethiopia.  
*scandens* *W. Roxburgh ex L.W. Dillwyn, Rev. Hortus Malab.*: 7 (1839); *fide D.J. Mabberley in Taxon*, 26(5-6): 533 (1977)—India.  
*singampattianus* (*Sebastine & Henry*) *G.R. Kumari & M. Chandrabose in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 238 (1987): *Reidia singampattiana*.  
*smithianus* *G.L. Webster in Pac. Sci.*, 40(1-4): 99 (1986 publ. 1987)—Fiji.  
*stipulaceus* (*Gamble*) *G.R. Kumari & M. Chandrabose in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 239 (1987): *Reidia stipulacea*.  
*tsiangii* *P.T. Li in Acta Phytotax. Sin.*, 25(5): 375 (1987), nom. nov.: *Nymphanthus ruber* *Lour.*  
*urinaria*  
   *subsp. nudicarpus* *Rossignol & R. Haicour in Amer. J. Bot.*, 74(12): 1861 (1987 publ. 1988)—Vietnam, Hainan, Philippine Is.

**PHYLLOCEPHALUM** (Compos.).

- anthelminticum (*L.*) *S.R. Paul & S.L. Kapoor in J. Econ. Taxon. Bot.*, 6(3): 728 (1985): *Conyza anthelmintica*.  
*courtallense* (*Wight*) *B.M. Narayana in Curr. Sci.*, 51(8): 438 (1982): *Decaneurum courtallense*.  
*mayurii* (*C.E.C. Fischer*) *B.M. Narayana in Curr. Sci.*, 51(8): 438 (1982): *Centrathrum mayurii*.  
*phyllolaenum* (*DC.*) *B.M. Narayana in Curr. Sci.*, 51(8): 438 (1982): *Decaneurum phyllolaenum*.  
*rangacharii* (*Gamble*) *B.M. Narayana in Curr. Sci.*, 51(8): 438 (1982): *Centrathrum rangacharii*.  
*ritchiei* (*Hook. f.*) *B.M. Narayana in Curr. Sci.*, 51(8): 438 (1982): *Centrathrum ritchei*.

**PHYLLOCEPHALUM** :-

- ritchiei* (Hook. f.) Almeida in *J. Bombay Nat. Hist. Soc.*, 85(3): 522 (1988 publ. 1989), isonym: *Centratherrum ritchiei*.  
*sengaltherianum* (Narayana) B.M. Narayana in *Curr. Sci.*, 51(8): 438 (1982): *Centratherrum sengaltherianum*.  
*tenuis* (Clarke) B.M. Narayana in *Curr. Sci.*, 51(8): 439 (1982): *Centratherrum tenuis*.

**PHYLLODOCE** (Ericac.).

- deflexa* Ching ex H.P. Yang in *Acta Phytotax. Sin.*, 28(5): 403 (1990)—China.

**PHYLLOPODIUM** (Scrophulariac.).

- anomalum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 484 (1988 publ. 1989)—South Africa (Cape Province).  
*caespitosum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 484 (1988 publ. 1989)—South Africa (Cape Province).  
*capillare* (L.f.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 341 (1990): *Manulea capillaris*.  
*collinum* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 484 (1988 publ. 1989): *Polycarena collina*.  
*cordatum* (Thunb.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 341 (1990): *Selago cordata*.  
*dolomiticum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 484 (1988 publ. 1989)—South Africa (Cape Province).  
*elegans* (Choisy) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 484 (1988 publ. 1989): *Selago elegans*.  
*lupuliforme* (Thellung) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989): *Polycarena lupuliformis*.  
*maxii* (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989): *Polycarena maxii*.  
*micranthum* (Schltr.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989): *Polycarena rariflora* var. *micrantha*.  
*mimetes* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989)—South Africa (Cape Province).  
*namaense* (Thellung) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989): *Polycarena namaensis*.  
*pubiflorum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 485 (1988 publ. 1989)—South Africa (Cape Province).  
*rustii* (Rolfe) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 486 (1988 publ. 1989): *Selago rustii*.  
*tweedense* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 486 (1988 publ. 1989)—South Africa (Cape Province).  
*viscidissimum* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 486 (1988 publ. 1989)—South Africa (Cape Province).

**PHYLLOSTACHYS** (Gramin.).

- aristata* W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 230 (1988)—China.  
*breviligula* W.T. Lin & Z.M. Wu in *Acta Phytotax. Sin.*, 26(3): 229 (1988)—China.  
*carnea* G.H. Ye & Z.P. Wang in *Acta Phytotax. Sin.*, 27(3): 228 (1989)—China.  
*edulis*  
*f. gracilis* (Hsiung) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 420 (1988): *P. pubescens* f. *gracilis*.  
*f. huamozhu* (Wen.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 420 (1988): *P. pubescens* f. *huamozhu*.  
*f. luteosulcata* (Wen.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 420 (1988): *P. pubescens* f. *luteosulcata*.  
*f. nabeshimana* (Murai) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 420 (1988): *Sinoarundinaria pubescens* f. *nabeshimana*.  
*f. viridisulcata* (Wen.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 421 (1988): *P. pubescens* f. *viridisulcata*.  
*nigrivagina* T.H. Wen in *J. Bamboo Res.*, 8(1): 15 (1989)—China.

**PHYLLOSTACHYS** :-

- sulphurea*  
*f. houzeauana* (Chu & Chao) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 419 (1988): *P. viridis* f. *houzeauana*.  
*f. robertii* C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 419 (1988)—China.  
*viridis*  
*f. viridisulcata* P.X. Chang in *J. Bamboo Res.*, 8(4): 40 (1989)—China.  
*vivax*  
*f. aureocaulis* N.X. Ma in *J. Bamboo Res.*, 4(1): 56 (1985)—China.

**PHYLLOSTEGIA** (Labiata.).

- adenophora* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*alba* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*arenicola* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*atomifera* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*axillaris* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*brevicalycis* H. St. John in *Phytologia*, 63(3): 172 (1987)—Hawaiian Is.  
*brevilobata* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*brevis* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*brighamii* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*bryanii* (Sherff) H. St. John in *Phytologia*, 63(3): 173 (1987): *P. racemosa* var. *bryanii*.  
*capitata* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*catenulata* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*cernau* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*chartacea* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*cordata* H. St. John in *Phytologia*, 63(3): 173 (1987)—Hawaiian Is.  
*cowanii* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*curta* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*decemiflorifer* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*decumbens* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*deltoidea* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*elliptica* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*fagerlindii* (Sherff) H. St. John in *Phytologia*, 63(3): 174 (1987): *P. mollis* var. *fagerlindii*.  
*fayi* H. St. John in *Phytologia*, 63(3): 174 (1987)—Hawaiian Is.  
*foliosa* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*glabriuscula* (A. Gray) H. St. John in *Phytologia*, 63(3): 175 (1987): *P. parviflora* var. *glabriuscula*.  
*glandulosa* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*grandiflora*  
*var. majoricalycis* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*heterodoxa* (Sherff) H. St. John in *Phytologia*, 63(3): 175 (1987): *P. brevidens* var. *heterodoxa*.  
*hiata* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*hitchcockii* (Sherff) H. St. John in *Phytologia*, 63(3): 175 (1987): *P. stachyoides* var. *hitchcockii*.  
*hobdyi* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*hualalaiensis* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*imminuta* (Sherff) H. St. John in *Phytologia*, 63(3): 175 (1987): *P. helleri* var. *imminuta*.  
*insignis* H. St. John in *Phytologia*, 63(3): 175 (1987)—Hawaiian Is.  
*interrupta* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kaalaensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kahiliensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kamokuensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kauaiensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kauensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kilaueaensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*kohalaensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*konaensis* H. St. John in *Phytologia*, 63(3): 176 (1987)—Hawaiian Is.  
*lanaiensis* (Sherff) H. St. John in *Phytologia*, 63(3): 177 (1987): *P. glabra* var. *lanaiensis*.  
*lantanoidea*  
*var. konahuanuiana* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*laxior* (Deg. & Sherff) H. St. John in *Phytologia*, 63(3): 177 (1987): *P. hirsuta* var. *laxior*.  
*lebishopii* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*lehuensis* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*leukantha* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*longitubata* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*lydgatei* (Sherff) H. St. John in *Phytologia*, 63(3): 177 (1987): *P. mollis* var. *lydgatei*.  
*makawaoensis* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*manoana* H. St. John in *Phytologia*, 63(3): 177 (1987)—Hawaiian Is.  
*micrantha* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*molokaiensis* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*moniliformis* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*montana* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*multiflora* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*oahuensis* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*obatae* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*occidentalis* H. St. John in *Phytologia*, 63(3): 178 (1987)—Hawaiian Is.  
*odorata* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*olokeleensis* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*olokuensis* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*orientalis* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*ovata* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*phytolaccoides* (Sherff) H. St. John in *Phytologia*, 63(3): 179 (1987): *P. macrophylla* var. *phytolaccoides*.  
*var. salebrosa* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*pilosa* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*pilosinecta* H. St. John in *Phytologia*, 63(3): 179 (1987)—Hawaiian Is.  
*pilosula* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*pluriflora* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*plurinodosa* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*polyantha* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*pubens* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*reflexa* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
*remyi* (Sherff) H. St. John in *Phytologia*, 63(3): 180 (1987): *P. macrophylla* var. *remyi*.  
*repanda* H. St. John in *Phytologia*, 63(3): 180 (1987)—Hawaiian Is.

**PHYLLOSTEGIA** :-

- retrorsa *H. St. John in Phytologia*, 63(3): 180 (1987)—Hawaiian Is.  
 rhuakos *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 rubescens *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 rubritincta *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 secunda *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 serrata *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 sexiflora *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 suaveolens *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 swezeyi *H. St. John in Phytologia*, 63(3): 181 (1987)—Hawaiian Is.  
 temaria *H. St. John in Phytologia*, 63(3): 182 (1987)—Hawaiian Is.  
 tongaensis *H. St. John in Phytologia*, 63(3): 182 (1987)—Tonga.  
 triangularis *H. St. John in Phytologia*, 63(3): 182 (1987)—Hawaiian Is.  
 triquetra *H. St. John in Phytologia*, 63(3): 182 (1987)—Hawaiian Is.  
 velutina (*Sherff*) *H. St. John in Phytologia*, 63(3): 182 (1987): *P. macrophylla* var. *velutina*.  
 waianaensis *H. St. John in Phytologia*, 63(3): 182 (1987)—Hawaiian Is.  
 warshaueri *H. St. John in Phytologia*, 63(3): 182 (1987)—Hawaiian Is.

- PHYLOHYDRAX** *C. Puff in Pl. Syst. Evol.*, 154(3-4): 362 (1987). **RUBIACEAE**.  
 carnosa (*Hochst.*) *C. Puff in Pl. Syst. Evol.*, 154(3-4): 362 (1986): *Diodia carnosa*.  
 madagascariensis (*Roem. & Schult.*) *C. Puff in Pl. Syst. Evol.*, 154(3-4): 363 (1986): *Hydrophylax madagascariensis*.

**PHYMASPERMUM** (Compos.).

- acerosum (*DC.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Morysia acerosa*.  
 argenteum *F. Brusse in Bothalia*, 19(1): 29 (1989)—South Africa (Transvaal).  
 athanassioides (*S. Moore*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Pentzia athanassioides*.  
 bolusii (*Hutch.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Brachymeris bolusii*.  
 erubescens (*Hutch.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Brachymeris erubescens*.  
 montanum (*Hutch.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Brachymeris montana*.  
 peglerae (*Hutch.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Brachymeris peglerae*.  
 pinnatifidum (*Oliv.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Pentzia pinnatifida*.  
 scoparium (*DC.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Brachymeris scoparia*.  
 villosum (*Hilliard*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Athanasia villosa*.  
 woodii (*Thell.*) *M. Källersjö in Nordic J. Bot.*, 5(6): 538 (1985 publ. 1986): *Pentzia woodii*.

**PHYSARIA** (Crucif.).

- acutifolia  
 var. *stylosa* (*Rollins*) *S.L. Welsh in Great Basin Nat.*, 46(2): 255 (1986): *P. stylosa*.  
 chambersii  
 var. *sobolifera* *S.L. Welsh in Great Basin Nat.*, 46(2): 255 (1986)—U.S.A. (Utah).

**PHYSINGA** (Orchidac.).

- polygonata (*Lindl.*) *D.D. Dod in Moscosoa*, 3: 101 (1984): *Epidendrum polygonatum*.

**PHYSOTRICHIA** (Umbellif.).

- muriculata (*Welw. ex Hiern*) *S. Droop & C.C. Townsend in Kew Bull.*, 42(3): 587 (1987): *Peucedanum muriculatum*.

**PHYTEUMA** (Campanulac.).

- barrelieri *Vill., Cat. Méth. Pl. Jard. Strasb.*: 183 (1807); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984)—Locality not stated.  
 spicatum  
 subsp. *nigrum* (*F.W. Schmidt*) *E.J. Weeda in Gorteria*, 15(1): 24 (1989): *P. nigrum*.

**PHYTOLACCA** (Phytolaccac.).

- erubescens *Huber, Wochenschrift*, 13: 168 (1870); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.

**PICEA** (Pinac.).

- subgen. *Casicta* (*Mayr*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988), isonym; see *E. Murray in Kalmia*, 14: 11 (1984): *P. sect. Casicta*.  
 sect. *Pungentes* (*Bobr.*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. ser. Pungentes*.  
 abies  
 var. *alpestris* (*Bruegger*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. alpestris*.  
 aurantiaca  
 var. *retroflexa* (*Mast.*) *C.T. Kuan & L.J. Zhou in Fl. Sichuanica*, 2: 71 (1983): *P. retroflexa*.  
 brachytyla  
 var. *pachyclada* (*Patschke*) *J. Silba in Phytologia*, 68(1): 39 (1990): *P. pachyclada*.  
 engelmannii  
 subsp. *mexicana* (*Martinez*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. mexicana*.

× *fennica*

- nothosubsp. *uralensis* (*Tepl.*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. vulgaris* var. *uralensis*.

glauca

- subsp. *albertiana* (*S. Brown*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. albertiana*.

jezoensis

- subsp. *hondoensis* (*Mayr*) *P.A. Schmidt in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 4: 38 (1988): *P. hondoensis*.  
*f. kamtschatskensis* (*Lacas.*) *S.L. Tung & Y.L. Chou in Y.L. Chou, Ligneous Fl. Heilongjiang*: 46 (1986): *P. kamtschatskensis*.

koraensis

- var. *intercedens* (*Nakai*) *Y.L. Chou & S.L. Tung in Y.L. Chou, Ligneous Fl. Heilongjiang*: 49 (1986): *P. intercedens*.

likiangensis

- var. *bhutanica* *J. Silba in Phytologia*, 68(1): 41 (1990)—Bhutan.  
 var. *forrestii* *J. Silba in Phytologia*, 68(1): 41 (1990)—China.

- martinezii* *T.F. Patterson in Sida*, 13(2): 131 (1988)—Mexico.

meyeri

- var. *mongolica* *H.Q. Wu in Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 153 (1986)—China.

purpurea

- var. *balfouriana* (*Rehder & Wilson*) *J. Silba in Phytologia*, 68(1): 44 (1990): *P. balfouriana*.  
 var. *hirtella* (*Rehder & Wilson*) *J. Silba in Phytologia*, 68(1): 44 (1990): *P. hirtella*.

spinulosa

- var. *pseudobrachytyla* *J. Silba in Phytologia*, 68(1): 45 (1990)—Bhutan, China, India.  
 var. *yatungensis* *J. Silba in Phytologia*, 68(1): 45 (1990)—Xizang.

wilsonii

- var. *shanxiensis* *J. Silba in Phytologia*, 68(1): 46 (1990)—China.  
 var. *watsoniana* (*Masters*) *J. Silba in Phytologia*, 68(1): 46 (1990): *P. watsoniana*.

**PICRAMNIA** (Simaroubac.).

- antidesma  
 subsp. *fessonia* (*DC.*) *W.W. Thomas in Brittonia*, 40(1): 91 (1988): *P. fessonia*.  
 subsp. *nicaraguensis* *W.W. Thomas in Brittonia*, 40(1): 91 (1988)—Nicaragua.  
 bullata *W.W. Thomas in Brittonia*, 42(3): 171 (1990)—Peru.

**PICRAMNIA** :-

- deflexa *W.W. Thomas in Brittonia*, 40(1): 92 (1988)—Mexico.  
 elliptica *Kuhlmann ex J.R. Pirani & W.W. Thomas in Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 273 (1988)—Brazil.  
 excelsa *Kuhlmann ex J.R. Pirani in Bol. Bot. (São Paulo)*, 10: 8 (1988)—Brazil.  
 ferrea *J.R. Pirani & W.W. Thomas in Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 272 (1988)—Brazil.  
 guerrerensis *W.W. Thomas in Brittonia*, 40(1): 96 (1988)—Mexico.  
 hirsuta *W.W. Thomas in Brittonia*, 40(1): 99 (1988)—Mexico, Guatemala.

**PICRAMNIA** (Simaroubac.).

- quassioides  
 var. *dasycarpa* (*Kitag.*) *S.Z. Liou in Fl. Liaoningica*, chief ed. *S.X. Li*, 1: 1054 (1988): *P. ailanthoides* var. *dasycarpa*.

**PICRIS** (Compos.).

- hieracioides  
 subsp. *rieli* (*Sennen*) *O. de Bolos & J. Vigo in Fontqueria*, 14: 9 (1987): *P. rieli*.  
 japonica *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 711 (1784)—Japan.†  
 littoralis *P. Baltasar Merino, Algunas Pl. Rar. ... de La Guardia (Pontevedra)*: 33 (1895)—Spain.  
 wagenitzii *H.W. Lack in Bot. Jahrb.*, 108(2-3): 189 (1987)—Australia (W. Australia).

**PILEA** (Urticac.).

- angolensis  
 subsp. *christiaensenii* (*Lambinon*) *I. Friis in Kew Bull.*, 43(4): 648 (1988): *P. christiaensenii*.  
 bambuseti  
 subsp. *aethiopica* *I. Friis in Kew Bull.*, 43(4): 648 (1988)—Ethiopia.  
 flammula *P. Brack in Napaea, Rev. Bot.*, 3: 1 (1987)—Brazil.  
 funkikensis  
 var. *rotundinucula* (*Hayata*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 431 (1988): *P. rotundinucula*.  
 var. *somai* (*Hayata*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 432 (1988): *P. somai*.  
 gesnerioides *I.A. Grudzinskaya in Novosti Sist. Vyssh. Rast.*, 25: 80 (1988)—Cuba.  
 howardiana *J.D. Skean & W.S. Judd in Rhodora*, 90(863): 216 (1988)—Hispaniola (Haiti).  
 hydra *P. Brack in Napaea, Rev. Bot.*, 3: 3 (1987)—Brazil.  
 johnstonii  
 subsp. *kiwuensis* (*Engl.*) *I. Friis in Kew Bull.*, 43(4): 648 (1988): *P. kiwuensis*.  
 subsp. *rwandensis* *I. Friis in Kew Bull.*, 43(4): 648 (1988)—Zaire.  
 pedroi *I.A. Grudzinskaya in Novosti Sist. Vyssh. Rast.*, 25: 82 (1988)—Cuba.  
 perexigua (*Griseb.*) *I.A. Grudzinskaya & P. Herrera in Novosti Sist. Vyssh. Rast.*, 23: 52 (1986): *P. microphylla* var. *perexigua*.  
 plataniflora  
 var. *taitoensis* (*Hayata*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 430 (1988): *P. taitoensis*.  
 tabularis *C.C. Berg in Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 7(4): 429 (1985 publ. 1986)—French Guiana.  
 usambarensis  
 var. *engleri* (*Rendle*) *I. Friis in Kew Bull.*, 43(4): 648 (1988): *P. engleri*.  
 var. *veronicifolia* (*Engl.*) *I. Friis in Kew Bull.*, 43(4): 648 (1988): *P. veronicifolia*.

**PILOCOSTA** (Melastomatac.).

- campanensis (*Almeda & Whiffin*) *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(9): 219 (1989): *P. oerstedii* subsp. *campanensis*.

**PILOGYNE** (Cucurbitac.).

- lucida *Naud. ex Huber, Cat. 1866*: 7 (1866); cf. *D.J. Mabberley in Taxon*, 34(3): 452 (1985)—Locality not stated.



**PILOSELLA** (Compos.).

- sect. Auriculina (Fries) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 354 (1989): Hieracium II. Auriculina.
- sect. Cymosina (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium subsect. Cymosina.
- sect. Echinina (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 328 (1989): Hieracium subsect. Echinina.
- sect. Praealtina (Gremli) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 329 (1989): Hieracium grex Praealtina.
- acutisquama (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 355 (1989): Hieracium auricula subsp. acutisquamum.
- adenoclada (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium magyaticum subsp. adenocladum.
- agathantha (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. agathanthum.
- altaica (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 349 (1989): Hieracium collinum subsp. altaicum.
- amaureilema (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 356 (1989): Hieracium auricula subsp. amaureilema.
- amaurochlora (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 351 (1989): Hieracium pratense subsp. amaurochlorum.
- amnoon (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium magyaticum subsp. amnoon.
- aquilonaris (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 331 (1989): Hieracium florentinum var. aquilonare.
- arctogena (Norrl.) R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 388 (1987); et in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium arctogenum.
- ×arida (Frey) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 364 (1989): Hieracium aridum.
- armeniaca (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium magyaticum subsp. armeniacum.
- arvorum (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. arvorum.
- asiatica (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 329 (1989): Hieracium echioides subsp. asiaticum.
- besseriana (Spreng.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium besserianum.
- botrychodes (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium baubini subsp. botrychodes.
- callicyma (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 336 (1989): Hieracium magyaticum subsp. callicymum.
- carpathicola (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 353 (1989): Hieracium aurantiacum subsp. carpathicola.
- chaunocyma (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. chaunocymum.
- concoloriformis (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 334 (1989): Hieracium concoloriforme.
- conflectens (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): Hieracium conflectens.
- contracta (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): P. pubescens var. contracta.
- crassisetia (Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 359 (1989): Hieracium crassisetum.
- cylindriceps (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 334 (1989): Hieracium florentinum subsp. cylindriceps.
- cymantha (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 336 (1989): Hieracium magyaticum subsp. cymanthum.
- dilutor (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium florentinum subsp. dilutius.

**PILOSELLA** :-

- dissoluta (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 349 (1989): Hieracium collinum subsp. dissolutum.
- dobromilensis (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 334 (1989): Hieracium dobromilense.
- dolinensis (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 333 (1989): Hieracium florentinum subsp. dolinense.
- dublanensis (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 348 (1989): Hieracium collinum subsp. dublanense.
- ×dybowskiana (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 373 (1989): Hieracium trigenes subsp. dybowskianum.
- empodista (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium magyaticum subsp. empodistum.
- ericetorum (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 331 (1989): Hieracium florentinum subsp. ericetorum.
- erratica (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 346 (1989): Hieracium erraticum.
- erythrophyllodes (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium baubini subsp. erythrophyllodes.
- euryanthela (Dahlst.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 346 (1989): Hieracium cymosum subsp. euryanthelum.
- euscidiata (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 346 (1989): Hieracium cymosum subsp. euscidiatum.
- ×fallaciformis (Litv. & Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 359 (1989): Hieracium fallaciforme.
- fastigiata (Tausch ex Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium magyaticum subsp. fastigiatum.
- ferroviae (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium magyaticum subsp. ferroviae.
- filifera (Tausch) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 341 (1989): Hieracium filiferum.
- floccipeduncula (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 333 (1989): Hieracium florentinum subsp. floccipedunculum.
- galiciensis (Błocki) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium galiciense.
- glaucochroa (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 351 (1989): Hieracium collinum subsp. glaucochroum.
- glomerabilis (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): Hieracium pubescens \* glomerabile.
- granitophila (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium granitophilum.
- ×gudarica G. Mateo in *Collect. Bot.*, 18: 155 (1990)—Spain. (P. pseudopilosella × pseudovahlia).
- heothina (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 341 (1989): Hieracium magyaticum subsp. heothinum.
- hispidissima (Rehm. ex Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 336 (1989): Hieracium magyaticum subsp. hispidissimum.
- holmiensis (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium cymosum var. holmiense.
- imponens (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 353 (1989): Hieracium imponens.
- ingrica (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. ingricum.
- insolens (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium insolens.
- karpinskyana (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 328 (1989): Hieracium verruculatum subsp. karpinskyanum.
- knappii (Błocki) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium knappii.
- lactucella subsp. bergidensis (Lainz) M. Lainz, *Mis contrib. conocim. fl. Asturias*: 73 (1982): Hieracium lactucella subsp. bergidense.
- ×lamprocoma (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 376 (1989): Hieracium hypeuryum subsp. lamprocomum.

**PILOSELLA** :-

- leptadenia (Dahlst.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium cymosum subsp. leptadenium.
- leptocaulon (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 349 (1989): Hieracium collinum subsp. leptocaulon.
- leptothyrsa (Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): Hieracium leptothyrsus.
- ×leptothyrsoides (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 366 (1989), without basionym ref.: Basionym not stated.
- limenensis (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 336 (1989): Hieracium baubini var. limenense.
- lithuanica (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 355 (1989): Hieracium auricula subsp. lithuanicum.
- ×longa (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 360 (1989): Hieracium euchaetium subsp. longum.
- lyccensis (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 333 (1989): Hieracium florentinum subsp. lyccense.
- macrocyba (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 329 (1989): Hieracium echioides subsp. macrocybum.
- malacotricha (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 329 (1989): Hieracium echioides subsp. malacotrichum.
- marginalis (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium magyaticum subsp. marginale.
- maurocybe (Juxip) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 331 (1989): Hieracium maurocybe.
- megalomastix (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 341 (1989): Hieracium magyaticum subsp. megalomastix.
- melaneilema (Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 355 (1989): Hieracium auricula subsp. melaneilema.
- mnoclada (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 339 (1989): Hieracium magyaticum subsp. mnocladum.
- molliseta (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 344 (1989): Hieracium fallax subsp. mollisetum.
- myriothricha (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium magyaticum subsp. myriothrichum.
- neriedowae (Włoszcz. & Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 353 (1989): Hieracium aurantiacum subsp. neriedowae.
- nigriseta (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium magyaticum subsp. nigrisetum.
- nigrosilvarum (Juxip) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium nigrosilvarum.
- obscuribracteata (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. obscuribracteatum.
- obsistens (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 353 (1989): Hieracium obsistens.
- parvistolona (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 335 (1989): Hieracium magyaticum subsp. parvistolonum.
- peleteriana subsp. subpeleteriana (Naegeli & Peter) P.D. Sell in *Watsonia*, 18(1): 92 (1990): Hieracium peleterianum subsp. subpeleterianum.
- plicatula (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium baubini subsp. plicatulum.
- ×podolica (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 376 (1989): Hieracium hypeuryum subsp. podolicum.
- polyanthema (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 338 (1989): Hieracium magyaticum subsp. polyanthemum.
- polymnoon (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 348 (1989): Hieracium macranthelium subsp. polymnoon.
- praalta subsp. thaumasia (Peter) P.D. Sell in *Watsonia*, 18(1): 92 (1990): Hieracium magyaticum subsp. thaumasium.

**PILOSELLA** :-

- przybyslawskii (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 356 (1989): Hieracium hoppeanum subsp. przybyslawskii.
- pseudauriculoides (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 339 (1989): Hieracium magyaticum subsp. pseudauriculoides.
- pseudokajanensis R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 354 (1989)—U.S.S.R. (European Russia).
- pseudomegalomastix (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 341 (1989): Hieracium magyaticum subsp. pseudomegalomastix.
- pseudoparsa (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 334 (1989): Hieracium baubini subsp. pseudoparsa.
- pseudothaumasia (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium baubini subsp. pseudothaumasia.
- pseudovahlia (de Retz) G. Mateo in Collect. Bot., 18: 156 (1990), as 'pseudopilosella': Hieracium pseudovahlia.
- rawaruskana (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 349 (1989): Hieracium pratense subsp. rawaruskanum.
- rojowskii (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 334 (1989): Hieracium magyaticum subsp. rojowskii.
- saeva (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 343 (1989): Hieracium magyaticum subsp. saevum.
- samarica (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 348 (1989): Hieracium cymosum subsp. samaricum.
- sandrasica P. Hartvig & A. Strid in Bot. Jahrb., 108(2-3): 309 (1987)—Turkey.
- sanii (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium florentinum subsp. sanii.
- ×scandinavica (Dahlst.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 371 (1989): Hieracium scandinavicum.
- scotodes (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium scotodes.
- sedutrix (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 339 (1989): Hieracium magyaticum subsp. sedutrix.
- semilitorea (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 344 (1989): Hieracium semilitorea.
- setosopetiolata (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 331 (1989): Hieracium florentinum subsp. setosopetiolatum.
- sororians (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium sororians.
- spatophylloids (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 331 (1989): Hieracium florentinum subsp. spatophylloids.
- stellata (Tausch ex Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 332 (1989): Hieracium florentinum subsp. stellatum.
- subaurantiaca (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 353 (1989): Hieracium aurantiacum subsp. subaurantiacum.
- subfilifera (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium baubini subsp. subfiliferum.
- submacrolepis R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 356 (1989), nom. nov.: Hieracium hoppeanum subsp. macrolepium Naeg. & Peter
- suchonensis (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): Hieracium suchonense.
- sysolskiensis (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 368 (1989): Hieracium acrocomum subsp. sysolskiense.
- tabergensis (Dahlst.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium cymosum subsp. tabergense.
- tenacaulis (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 345 (1989): Hieracium tenacale.
- tenebricans (Norrl.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 333 (1989): P. septentrionalis var. tenebricans.
- thauasioides (Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 336 (1989): Hieracium magyaticum subsp. thauasioides.

**PILOSELLA** :-

- tjapomensis (Norrl.) R.N. Shlyakov in Arktich. Fl. SSSR, 10: 389 (1987): Hieracium tjapomense.
- ×tremedalis G. Mateo in Collect. Bot., 18: 155 (1990)—Spain. (P. pseudovahlia × tardans).
- tricheilema (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 355 (1989): Hieracium auricula subsp. tricheilema.
- trichocymosa (Zahn) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 344 (1989): Hieracium cymosum subsp. trichocymosum.
- trichocymosoides (Juxip) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 347 (1989): Hieracium trichocymosoides.
- varatinensis (Woloszcz.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 339 (1989): Hieracium varatinense.
- viscidula (Tausch) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 340 (1989): Hieracium baubini β. viscidulum.
- volhynica (Naeg. & Peter) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 341 (1989): Hieracium magyaticum subsp. volhynicum.
- vulpina (Rehm.) R.N. Shlyakov in Fl. *Evropejskoj Chasti SSSR*, 8: 356 (1989): Hieracium hoppeanum subsp. vulpinum.

**PILOSECEREUS** (Cactac.).

- subgen. Floribunda (Ritter) P.J. Braun in Bradleya, 6: 90 (1988): gen. Floribunda.
- subgen. Lagenopsis (F. Buxbaum) P.J. Braun in Bradleya, 6: 89 (1988): Coleocephalocereus subgen. Lagenopsis.
- albusummus P. Braun & E. Esteves Pereira in Kakt. And. Sukk., 38(5): 130 (1987)—Brazil.
- braunii E. Esteves Pereira in Kakt. And. Sukk., 38(5): 132 (1987)—Brazil.
- cenepequei C.T. Rizzini & A. de Mattos-Filho in Rev. Brasil. Biol., 46(2): 324 (1986)—Brazil.
- cristalinensis P. Braun & E. Esteves Pereira in Kakt. And. Sukk., 38(5): 132 (1987); et in Kakt. And. Sukk., 38(7): 166 (1987)—Brazil.
- diarsianus (Esteves) P.J. Braun in Bradleya, 6: 88 (1988): Pseudopilocereus diarsianus.
- flexibilispinus P.J. Braun & E. Esteves Pereira in Kakt. And. Sukk., 41(5): 88 (1990)—Brazil.
- kanukuensis (Alexander) B.E. Leuenberger in Willdenowia, 16(2): 506 (9 March 1987): Cephalocereus kanukuensis.
- kanukuensis (Alexander) P.J. Braun in Succulenta, 66(5): 106 (May 1987), received at Kew 21 May 1987: Cephalocereus kanukuensis.
- lindaianus P. Braun & E. Esteves Pereira in Kakt. And. Sukk., 38(5): 132 (1987)—Brazil.
- parvus (Diers & Esteves) P.J. Braun in Bradleya, 6: 88 (1988): Pseudopilocereus parvus.
- pleurocarpus (Ritter) P.J. Braun in Bradleya, 6: 88 (1988): Cipocereus pleurocarpus.
- pusillibaccatus P.J. Braun & E. Esteves Pereira in Cact. Succ. J. (U.S.A.), 58(6): 240 (1986)—Brazil.
- pusilliflorus (Ritter) P.J. Braun in Bradleya, 6: 90 (1988): Floribunda pusilliflora.
- schoebelii P.J. Braun in Cact. Succ. J. (U.S.A.), 59(4): 150 (1987)—Brazil.
- subsimilis C.T. Rizzini & A. de Mattos-Filho in Rev. Brasil. Biol., 46(2): 327 (1986)—Brazil.
- vilaboensis (Diers & Esteves) P.J. Braun in Bradleya, 6: 88 (1988): Pseudopilocereus vilaboensis.

**PIMELEA** (Thymelaeac.).

- sect. Heterantheros B.L. Rye in Nuytsia, 6(2): 148 (1988).
- sect. Macrostegia (Turcz.) B.L. Rye in Nuytsia, 6(2): 222 (1988): gen. Macrostegia.
- sect. Stipostachys B.L. Rye in Nuytsia, 6(2): 224 (1988).
- aquilonia B.L. Rye in Fl. Australia, 18: 323, 170 (1990)—Australia (Queensland).
- avonensis B.L. Rye in Nuytsia, 6(2): 239 (1988)—Australia (W. Australia).
- axiflora subsp. pubescens B.L. Rye in Fl. Australia, 18: 323, 156 (1990)—Australia (New South Wales).
- brevifolia subsp. modesta (Meissner) B.L. Rye in Nuytsia, 6(2): 258 (1988): P. modesta.

**PIMELEA** :-

- brevistyla subsp. minor B.L. Rye in Nuytsia, 6(2): 242 (1988)—Australia (W. Australia).
- ciliata subsp. longituba B.L. Rye in Nuytsia, 6(2): 246 (1988)—Australia (W. Australia).
- ciliolaris (Threlfall) B.L. Rye in Fl. Australia, 18: 324, 175 (1990): P. octophylla subsp. ciliolaris.
- cracens B.L. Rye in Nuytsia, 6(2): 209 (1988)—Australia (W. Australia).
- subsp. glabra B.L. Rye in Nuytsia, 6(2): 211 (1988)—Australia (W. Australia).
- curviflora var. gracilis (R. Br.) S. Threlfall in Fl. S. Australia, 4: 2147 (1986): P. gracilis.
- drummondii (Turcz.) B.L. Rye in Nuytsia, 6(2): 219 (1988): Calyptrostegia drummondii.
- erecta B.L. Rye in Nuytsia, 6(2): 189 (1988)—Australia (W. Australia).
- graniticola B.L. Rye in Nuytsia, 6(2): 177 (1988)—Australia (W. Australia).
- halophila B.L. Rye in Nuytsia, 6(2): 154 (1988)—Australia (W. Australia).
- imbricata var. major (Meissner) B.L. Rye in Nuytsia, 6(2): 182 (1988): P. microcephala var. major.
- var. petraea (Meissner) B.L. Rye in Nuytsia, 6(2): 184 (1988): P. petraea.
- var. simulans B.L. Rye in Fl. Australia, 18: 324, 178 (1990)—Australia (W. Australia).
- interioris B.L. Rye in Fl. Australia, 18: 324, 163 (1990)—Australia (N. Terr.).
- lehmanniana subsp. nervosa (Meissner) B.L. Rye in Nuytsia, 6(2): 232 (1988): P. lehmanniana var. nervosa.
- longiflora subsp. eyrei (F. Muell.) B.L. Rye in Nuytsia, 6(2): 196 (1988): P. eyrei.
- pagophila B.L. Rye in Fl. Australia, 18: 324, 192 (1990)—Australia (Victoria).
- pelinos B.L. Rye in Nuytsia, 7(1): 59 (1989)—Australia (W. Australia).
- pendens B.L. Rye in Nuytsia, 6(2): 205 (1988)—Australia (W. Australia).
- serpyllifolia subsp. occidentalis B.L. Rye in Nuytsia, 6(2): 153 (1988)—Australia (W. Australia).
- sessilis B.L. Rye in Nuytsia, 6(2): 232 (1988)—Australia (W. Australia).
- spiculigera var. thesioides (S. Moore) B.L. Rye in Nuytsia, 6(2): 164 (1988): P. thesioides.
- spinescens B.L. Rye in Fl. Australia, 18: 324, 153 (1990)—Australia (Victoria).
- subsp. pubiflora B.L. Rye in Fl. Australia, 18: 324, 153 (1990)—Australia (Victoria).
- suaveolens subsp. flava B.L. Rye in Nuytsia, 6(2): 218 (1988)—Australia (W. Australia).
- subvillifera (Threlfall) B.L. Rye in Nuytsia, 6(2): 185 (1988): P. octophylla subsp. subvillifera.
- PIMENTA** (Myrtac.).
- podocarpoides (Areces) L.R. Landrum in Fl. Neotrop., 45: 99 (1986): Myrteckmania podocarpoides.
- pseudocaryophyllus var. fulvescens (A.P. de Candolle) L.R. Landrum in Fl. Neotrop., 45: 104 (1986): Eugenia fulvescens.
- var. hoehnei (Burret) L.R. Landrum in Fl. Neotrop., 45: 104 (1986): Pseudocaryophyllus hoehnei.
- PIMPINELLA** (Umbellif.).
- ahmarenensis D. Abebe in Kew Bull., 44(2): 346 (1989)—Ethiopia.
- filipedicellata S.L. Liou in Acta Phytotax. Sin., 28(2): 145 (1990)—Xizang.
- hadicii L. Engstrand in Fl. Iran., 162: 327 (1987)—Iraq.
- heywoodii D. Abebe in Kew Bull., 44(2): 341 (1989)—Ethiopia.
- khorsanica L. Engstrand in Fl. Iran., 162: 328 (1987)—Iran.
- petrosa D. Abebe in Kew Bull., 44(2): 343 (1989)—Ethiopia.
- rhomboidea var. tenuiloba R.H. Shan & F.T. Pu in Acta Phytotax. Sin., 27(1): 63 (1989)—China.

**PIMPINELLA** :-

- schimperii* D. Abebe in *Kew Bull.*, 44(2): 343 (1989)—Ethiopia.  
*valleculosa* K.T. Fu in *Fl. Tsinlingensis*, 1(3): 457, 405 (1981)—China.  
*woodii* C.C. Townsend in *Kew Bull.*, 41(1): 59 (1986)—Yemen.  
*xizangensis* R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 24(4): 311 (1986)—Xizang.  
*zhongdianensis* C.Y. Wu in *Fl. Xizangica*, 3: 475 (1986)—China, Xizang.

**PINANGA** (Palmae).

- bicolana* E.S. Fernando in *Principes*, 32(4): 172 (1988)—Philippine Is.

**PINDA** P.K. Mukherjee & L. Constance in *Kew Bull.*, 41(1): 224 (1986). **UMBELLIFERAE**.

- concanensis* (Dalzell) P.K. Mukherjee & L. Constance in *Kew Bull.*, 41(1): 226 (1986): *Heracleum concanense*.

**PINELLIA** (Arac.).

- yaoluopingensis* X.H. Guo & X.L. Liu in *Acta Bot. Yunnanica*, 8(2): 223 (1986)—China.

**PINGUICULA** (Lentibulariac.).

- sect. Crassifolia* F. Speta & F. Fuchs in *Stapfia*, 10: 113 (1982).  
*barbata* S.Z. Ruiz & J. Rzedowski in *Phytologia*, 60(4): 256 (1986)—Mexico.  
*crassifolia* S. Zamudio in *Acta Bot. Mex.*, 3: 21 (1988)—Mexico.  
*ehlersiae* F. Speta & F. Fuchs in *Stapfia*, 10: 114 (1982), as '*ehlersae*'—Mexico.  
*emarginata* S.Z. Ruiz & J. Rzedowski in *Phytologia*, 60(4): 258 (1986)—Mexico.  
*fiorii* F. Tammara & L. Pace in *Inform. Bot. Ital.*, 19(3): 430 (1987 publ. 1988)—Italy.  
*gracilis* S. Zamudio in *Acta Bot. Mex.*, 3: 25 (1988)—Mexico.  
*laeana* F. Speta & F. Fuchs in *Phyton (Austria)*, 29(1): 94 (1989)—Mexico.  
*lutea*  
*f. alba* G.W. Folkerts & J.D. Freeman in *Castanea*, 54(1): 40 (1989)—U.S.A. (Florida).  
*potosiensis* F. Speta & F. Fuchs in *Phyton (Austria)*, 29(1): 100 (1989)—Mexico.  
*rectifolia* F. Speta & F. Fuchs in *Phyton (Austria)*, 29(1): 97 (1989)—Mexico.  
*takakii* S.Z. Ruiz & J. Rzedowski in *Phytologia*, 60(4): 260 (1986)—Mexico.  
*zecheri* F. Speta & F. Fuchs in *Stapfia*, 10: 111 (1982)—Mexico.

**PINUS** (Pinac.).

- subsect. Coxinoides* P. Landry in *Phytologia*, 65(6): 479 (1989).  
*subsect. Gojae* P. Landry in *Phytologia*, 65(6): 470 (1989).  
*subsect. Nat-clebianae* P. Landry in *Phytologia*, 65(6): 471 (1989).  
*subsect. Nucifragae* P. Landry in *Phytologia*, 65(6): 477 (1989).  
*subsect. Resinosae* W. Klaus in *Pl. Syst. Evol.*, 162(1-4): 159 (1989).  
*subsect. Rzedowskiae* W. Klaus in *Pl. Syst. Evol.*, 162(1-4): 142 (1989).  
*subsect. Rzedowskianae* S. Carvajal in *Phytologia*, 59(2): 134 (1986).  
*armandii*  
*var. dabeshanensis* (Cheng & Law) J. Silba in *Phytologia*, 68(1): 47 (1990): P. dabeshanensis.  
*ayacahuite*  
*var. loudoniana* (Gordon) J. Silba in *Phytologia*, 68(1): 47 (1990): P. loudoniana.  
*var. oaxacana* J. Silba in *Phytologia*, 68(1): 47 (1990)—Mexico, Salvador.  
*californiarum* D.K. Bailey in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 278 (1987)—U.S.A. (California), Mexico.  
*subsp. fallax* (Little) D.K. Bailey in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 279 (1987): *Pinus edulis* var. *fallax*.  
*cembroides*  
*var. juarezensis* (Lanner) J. Silba in *Phytologia*, 68(1): 43 (1990): P. juarezensis.

**PINUS** :-

- subsp. lagunae* (Robert-Passini) D.K. Bailey in *Phytologia*, 54(2): 98 (1983): P. cembroides var. *lagunae*.  
*var. orizabensis* (Bailey) J. Silba in *Phytologia*, 68(1): 48 (1990): P. cembroides subsp. *orizabensis*.  
*densa*  
*var. austrokeysensis* J. Silba in *Phytologia*, 68(1): 49 (1990), as '*austro-keysensis*'—U.S.A. (Florida).  
*densiflora*  
*f. nigricorticalis* Q.L. Wang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 1361, 152 (1988)—China.  
*douglasiana*  
*var. martinezii* (Larson) J. Silba in *Phytologia*, 68(1): 49 (1990): P. martinezii.  
*var. maximinoi* (Moore) J. Silba in *Phytologia*, 68(1): 50 (1990): P. maximinoi.  
*hartwegii*  
*var. rudis* (Endlicher) J. Silba in *Phytologia*, 68(1): 50 (1990): P. rudis.  
*insularis*  
*var. khasyana* (Griffiths) J. Silba in *Phytologia*, 68(1): 51 (1990): P. khasyana.  
*var. langbianensis* (Cheval.) J. Silba in *Phytologia*, 68(1): 51 (1990): P. langbianensis.  
*var. tenuifolia* (Cheng & Law) J. Silba in *Phytologia*, 68(1): 51 (1990): P. yunnanensis var. *tenuifolia*.  
*jeffreyi*  
*var. baja-californica* J. Silba in *Phytologia*, 68(1): 52 (1990)—Mexico.  
*lagunae* (M.-F. Robert-Passini) M.-F. Passini in *Phytologia*, 63(5): 337 (1987): P. cembroides var. *lagunae*.  
*lambertiana* Dougl. ex Taylor & Philips, *Phil. Mag. n.s.*, 2: 449 (Dec. 1827); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.  
*var. martirensis* J. Silba in *Phytologia*, 68(1): 52 (1990)—Mexico.  
*lumbholtzii*  
*var. microphylla* S. Carvajal in *Phytologia*, 59(2): 135 (1986)—Mexico.  
*macvaughii* S. Carvajal in *Phytologia*, 59(2): 139 (1986)—Mexico.  
*massoniana*  
*var. wulingensis* C.J. Qi & Q.Z. Lin in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 143 (1988)—China.  
*merkusii*  
*var. latteri* (Mason) J. Silba in *Phytologia*, 68(1): 53 (1990): P. latteri.  
*monophylla*  
*var. californiarum* (Bailey) J. Silba in *Phytologia*, 68(1): 54 (1990): P. californianum.  
*var. fallax* (Little) J. Silba in *Phytologia*, 68(1): 54 (1990): P. edulis var. *fallax*.  
*montezumae*  
*var. gordoniana* (Hartweg) J. Silba in *Phytologia*, 68(1): 55 (1990): P. gordoniana.  
*var. mezambrana* S. Carvajal in *Phytologia*, 59(2): 138 (1986), as '*mezambranus*'—Mexico.  
*mugo*  
*f. applanata* (Willk.) K.I. Christensen in *Nordic J. Bot.*, 7(4): 392 (1987): P. pumilio var. *applanata*.  
*f. mughoides* (Willk.) K.I. Christensen in *Nordic J. Bot.*, 7(4): 393 (1987): P. uncinata f. *mughoides*.  
*muricata*  
*var. remorata* (Mason) J. Silba in *Phytologia*, 68(1): 56 (1990): P. remorata.  
*nigra*  
*var. yaltirikiana* C.Ü. Alptekin in *Istanbul Univ. Orman Fak. Dergisi*, A, 36(2): 147 (1986 publ. 1987)—Turkey.  
×*novaemexicana* P. Landry in *Phytologia*, 65(6): 479 (1989), without type—Locality not stated. (P. flexilis × strobiliformis).  
*novogaliciana* S. Carvajal in *Phytologia*, 59(2): 131 (1986), without latin descr., as '*novo-galiciana*'—Mexico.  
*nubicola* J.P. Perry in *J. Arnold Arbor.*, 68(4): 447 (1987)—Guatemala, Mexico, Salvador, Honduras.  
*occidentalis*  
*var. maestraensis* (Bisse) J. Silba in *Phytologia*, 68(1): 57 (1990): P. maestraensis.  
*oocarpa*  
*var. macvaughii* (Carvajal) J. Silba in *Phytologia*, 68(1): 57 (1990): P. macvaughii.

**PINUS** :-

- ×*parapumila* Ishii ex P. Landry in *Phytologia*, 65(6): 479 (1989), without type—Locality not stated. (P. cembra × pumila).  
*pinaster*  
*var. mesogeensis* (Fiesch. & Gaussen) J. Silba in *Phytologia*, 68(1): 59 (1990): P. mesogeensis.  
*pin-drow* Royle ex D. Don in *Brewster, Taylor & Phillips, Phil. Mag. & J. Sci.*, 8: 255 (March 1836); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982)—Locality not stated.  
*ponderosa*  
*var. stormiae* (Martínez) J. Silba in *Phytologia*, 68(1): 59 (1990): P. arizonica var. *stormiae*.  
*praetermissa* B.T. Styles & R. McVaugh in *Contrib. Univ. Mich. Herb.*, 17: 310 (1990)—Mexico.  
*prokoraensis* Y.T. Zhao, J.M. Lu & A.G. Gu in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 69 (1990)—China.  
*pseudostrobus*  
*var. laubenfelsii* J. Silba in *Phytologia*, 68(1): 60 (1990)—Mexico.  
*pungens* Lamb. in *Ann. Bot.*, 2: 198 (1805); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.  
*radiata*  
*var. cedrosensis* (J.T. Howell) J. Silba in *Phytologia*, 68(1): 60 (1990): P. muricata var. *cedrosensis*.  
*sibirica*  
*var. hingganensis* (Zhang) J. Silba in *Phytologia*, 68(1): 61 (1990): P. hingganensis.  
*strobiliformis*  
*var. carvajalii* J. Silba in *Phytologia*, 68(1): 61 (1990)—Mexico.  
*var. potosiensis* J. Silba in *Phytologia*, 68(1): 62 (1990)—Mexico.  
*tabulaeformis*  
*var. henryi* (Mast.) C.T. Kuan in *Fl. Sichuanica*, 2: 113 (1983): P. henryi.  
*var. pygmaea* (Hsueh) J. Silba in *Phytologia*, 68(1): 63 (1990): P. densata var. *pygmaea*.  
*f. umbraculifera* (Liou & Wang) Q.L. Wang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 156 (1988): P. tabulaeformis var. *umbraculifera*.  
*teocote*  
*var. herrerae* (Martínez) J. Silba in *Phytologia*, 68(1): 63 (1990): P. herrerae.  
*torreyana*  
*subsp. insularis* J.R. Haller in *Syst. Bot.*, 11(1): 45 (1986)—U.S.A. (California).  
*var. insularis* (Haller) J. Silba in *Phytologia*, 68(1): 64 (1990): P. torreyana subsp. *insularis*.  
*wallichiana*  
*var. manangensis* H. Ohba & M. Suzuki in *H. Ohba & S.B. Malla, Himalayan Pl.*, 1 (Univ. Mus. Univ. Tokyo Bull., 31): 350 (1988)—Nepal.  
*wangii*  
*var. kwangtungensis* (Chun ex Tsiang) J. Silba in *Phytologia*, 68(1): 64 (1990): P. kwangtungensis.

**PIPER** (Piperac.).

- arboresum*  
*subsp. tuberculatum* (Jacq.) M.C. Tebbs in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 156 (1989): P. tuberculatum.  
*brevipedicellatum* A.J. Bornstein in *J. Arnold Arbor.*, 70(1): 23 (1989)—Mexico.  
*calcariformis* M. Tebbs in *Ann. Missouri Bot. Gard.*, 74(4): 917 (1987 publ. 1988)—Costa Rica, Panama.  
*cihuatlanense* A.J. Bornstein in *J. Arnold Arbor.*, 70(1): 25 (1989)—Mexico.  
*colotlipanense* A.J. Bornstein in *J. Arnold Arbor.*, 70(1): 27 (1989)—Mexico.  
*emeiense* Y.C. Tseng in *Acta Phytotax. Sin.*, 24(5): 385 (1986)—China.  
*enckeaespicum* (Trel. & Yuncker) R. Callejas in *Brittonia*, 42(1): 80 (1990): *Trianaepiper enckeaespicum*.  
*gentryi* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 89 (1987)—Venezuela.  
*infossum* Y.C. Tseng in *Acta Phytotax. Sin.*, 24(5): 383 (1986)—Xizang.  
*var. nudum* Y.C. Tseng in *Acta Phytotax. Sin.*, 24(5): 385 (1986)—Xizang.  
*macvaughii* A.J. Bornstein in *J. Arnold Arbor.*, 70(1): 30 (1989), as '*mcvaughii*'—Mexico.

**PIPER** :-

- madidum Y.C. Tseng in *Acta Phytotax. Sin.*, 24(5): 382 (1986)—Xizang.  
 mosaicum J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 964 (1989)—Venezuela.  
 nigrum  
   *var. hirtellusum* R. Asokan Nair & P.N. Ravindran in *J. Econ. Taxon. Bot.*, 10(1): 167 (1987 publ. 1988)—India.  
 novogalicianum A.J. Bornstein in *J. Arnold Arbor.*, 70(1): 40 (1989)—Mexico.  
 perpusillum R. Callejas in *Brittonia*, 42(1): 76 (1990)—Colombia.  
 silentvalleyensis P.N. Ravindran, M.K. Nair & R. Asokan Nair in *J. Econ. Taxon. Bot.*, 10(1): 167 (1987 publ. 1988)—India.  
 truman-yunckeri R. Callejas in *Brittonia*, 41(3): 325 (1989)—Ecuador.  
 valdivianum R. Callejas in *Brittonia*, 42(1): 78 (1990)—Colombia.

**PIPTADENIA** (Legumin.).

- anolidurus R.C. Barneby in *Brittonia*, 38(3): 222 (1986)—Brazil, Ecuador, Peru.  
 buchtienii R.C. Barneby in *Brittonia*, 38(3): 224 (1986)—Bolivia.  
 cuzcoensis R.C. Barneby in *Brittonia*, 38(3): 226 (1986)—Peru.  
 imatacae R.C. Barneby in *Brittonia*, 38(3): 227 (1986)—Venezuela.  
 peruviana (J.F. Macbr.) R.C. Barneby in *Brittonia*, 38(3): 226 (1986): P. adiantoides *var. peruviana*.

**PIPTANTHUS** (Legumin.).

- leiocarpus  
   *var. sericopetalus* P.C. Li in *Fl. Xizangica*, 2: 719 (1985)—Xizang.

**PIPTATHERUM** (Gramin.).

- frutescens G. Heynhold, *Nomencl. Bot. Hort.*: 524, 629 (1841), nom. superfl.—Greece.  
 holciforme  
   *subsp. abyssinicum* H. Freitag in *Davis & Hedge Festschrift (ed. Kit Tan)*: 117 (1989)—Ethiopia, Saudi Arabia, Yemen.  
 humile (Bor) S. Kumar & M.B. Raizada in *Indian J. Forest.*, 9(2): 177 (1986): *Oryzopsis humilis*.  
 humile (Bor) R.K. Gupta, *Living Himalayas*, 2: 486 (1989), isonym; see S. Kumar & M.B. Raizada in *Indian J. Forest.*, 9(2): 177 (1986): *Oryzopsis humilis*.

**PIPTOCHAETIUM** (Gramin.).

- avenacellum M.E. Barkworth in *Syst. Bot.*, 13(2): 196 (1988)—Mexico.  
 brevicalyx  
   *subsp. flexuosum* M.E. Barkworth in *Syst. Bot.*, 13(2): 200 (1988)—Mexico.  
 featherstonei (Hitchcock) O. Tovar in *Opusc. Bot. Pharm. Complutensis*, 4: 104 (1988): *Stipa featherstonei*.

**PIQUERIA** (Compos.).

- glandulosa B.L. Turner in *Phytologia*, 63(6): 438 (1987)—Mexico.

**PIRIPEA** (Scrophulariac.).

- coerulea S. Bowdich in T.E. Bowdich, *Exc. Madeira*: 251 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 61 (1980)—Gambia.

**PIRIQUETA** (Turnerac.).

- alba J.R. Mattos in *Loefgrenia*, 92: 1 (1988)—Brazil.  
 cistoides  
   *subsp. caroliniana* (Walter) M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 351 (1990): *Waltheria caroliniana*.  
 mexicana P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 558 (1987)—Mexico.  
 mortonii S.D. Koch & P.A. Fryxell in *Brittonia*, 41(2): 109 (1989)—Mexico.

**PISONIA** (Nyctaginac.).

- sechellarum F. Friedmann in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(4): 384 (1986 publ. 1987)—Seychelles Is.  
 wagneriana F.R. Fosberg in *Phytologia*, 62(3): 177 (1987)—Hawaiian Is.

**PITCAIRNIA** (Bromeliac.).

- altoatratensis G.S. Varadarajan & E. Forero in *Syst. Bot.*, 12(3): 412 (1987)—Colombia.  
 atrorubens  
   *var. pallidobraceata* Gross & W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 9 (1986), as 'pallido-bracteata'—Panama.  
 brachysperma  
   *var. snowii* G.S. Varadarajan & E. Forero in *Syst. Bot.*, 12(3): 413 (1987)—Colombia.  
 caduciflora W. Rauh & E. Gross in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 22 (1988)—Ecuador.  
 carnososepala W. Rauh & E. Gross in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 26 (1987), as 'carnososepala'—Ecuador.  
 compostelae R. McVaugh, *Fl. Novo-Galiciana*, 15: 27 (1989)—Mexico.  
 grafii W. Rauh in *J. Bromeliad Soc.*, 38(4): 161 (1988)—Venezuela.  
 hammeli H.E. Luther in *J. Bromeliad Soc.*, 37(3): 128 (1987)—Panama.  
 inaequalis W. Weber in *Feddes Repert.*, 97(3-4): 93 (1986)—Brazil.  
 jaramilloi G.S. Varadarajan & E. Forero in *Syst. Bot.*, 12(3): 410 (1987)—Colombia.  
 juzepczukii W. Weber in *Feddes Repert.*, 97(3-4): 95 (1986)—Peru.  
 killipiana  
   *var. viridis* G.S. Varadarajan & E. Forero in *Syst. Bot.*, 12(3): 413 (1987)—Colombia.  
 kressii H.E. Luther in *J. Bromeliad Soc.*, 37(5): 214 (1987)—Panama.  
 loki-schmidtii W. Rauh & W. Barthlott in *Bromelie*, 2: 18 (1987)—Mexico.  
 luschnathii W. Weber in *Feddes Repert.*, 97(3-4): 95 (1986)—Brazil.  
 lymansmithiana H.E. Luther in *J. Bromeliad Soc.*, 37(5): 212 (1987)—Panama.  
 matogrossensis E. Pereira & E.M.C. Leme in *Bradea*, 4(34): 269 (1986)—Brazil.  
 occidentalis  
   *var. alversonii* (L.B. Smith & Read) G.S. Varadarajan & E. Forero in *Syst. Bot.*, 12(3): 413 (1987): P. alversonii.  
 piepenbringii Rauh & Gross in *Bromelie*, 1988(1): 1 (1988)—Brazil.  
 prolifera W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 39 (1987)—Ecuador.  
 rondonicola L.B. Smith & R.W. Read in *J. Bromeliad Soc.*, 36(1): 10 (1986)—Brazil.  
 undulatosepala W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 16 (1986), as 'undulato-sepala'—Mexico.  
 utcubambensis W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 33 (1988)—Peru.  
 villetaensis W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 43 (1987)—Colombia.  
 violascens  
   *var. bogneri* W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 36 (1988)—Ecuador.  
 woronowii W. Weber in *Feddes Repert.*, 97(3-4): 98 (1986)—Colombia.

**PITHECELLOBIUM** (Legumin.).

- ser. Callozygia C. Barbosa in *Caldasia*, 14(68-70): 400 (1986).  
 andaquiense C. Barbosa in *Caldasia*, 14(68-70): 401 (1986)—Colombia.  
 campylacanthus L. Rico & M. Sousa S. in *Ann. Missouri Bot. Gard.*, 73(4): 722 (1986 publ. 1987)—Mexico, Honduras, Nicaragua.  
 cupirensis C. Barbosa in *Caldasia*, 14(68-70): 399 (1986)—Venezuela.  
 foreroi C. Barbosa in *Caldasia*, 14(68-70): 395 (1986)—Colombia.  
 hernandezii C. Barbosa in *Caldasia*, 14(68-70): 401 (1986)—Colombia.  
 heterophyllum (Roxb.) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*: 341 (1985): *Mimosa heterophylla*.

**PITHECELLOBIUM** :-

- killipii (Britton & Killip) C. Barbosa in *Caldasia*, 15(71-75): 191 (1986): *Punjuba killipii*.  
 latifolium  
   *subsp. garcia-barrigae* C. Barbosa in *Caldasia*, 14(68-70): 397 (1986)—Colombia.  
   *subsp. tayronense* C. Barbosa in *Caldasia*, 14(68-70): 397 (1986)—Colombia.  
 macbridii C. Barbosa in *Caldasia*, 14(68-70): 398 (1986)—Peru.  
 megistocarpum C. Barbosa in *Caldasia*, 14(68-70): 404 (1986)—Peru.  
 paucipinnatum (Schery) A.H. Gentry & Dodson in *Ann. Missouri Bot. Gard.*, 75(4): 1438 (1988 publ. 1989): *Albizia paucipinnata*.  
 popayanense C. Barbosa in *Caldasia*, 15(71-75): 192 (1986), nom. nov.: *Punjuba lehmannii* Britton & Killip.  
 prancei R.C. Barneby in *Acta Amazonica*, 16-17: 141 (1986-87 publ. 1987)—Brazil.  
 solomonii C. Barbosa in *Caldasia*, 14(68-70): 403 (1986)—Bolivia.  
 turneri R. McVaugh, *Fl. Novo-Galiciana*, 5: 238 (1987)—Mexico.

**PITTOSPORUM** (Pittosporac.).

- angustilimum C.Y. Wu in *Fl. Yunnanica*, 3: 328 (1983)—China.  
 boninense  
   *var. chichijimense* (Nakai ex Tuyama) H. Ohba in *J. Jap. Bot.*, 64(11): 326 (1989): C. chichijimense.  
   *var. denudatum* (Nakai) H. Ohba in *J. Jap. Bot.*, 64(11): 326 (1989): P. denudatum.  
 buxifolium K.M. Feng in *Fl. Yunnanica*, 3: 318 (1983)—China.  
 calcicola C.Y. Wu in *Fl. Yunnanica*, 3: 326 (1983), with two types cited—China.  
 daphniphyllodes  
   *var. adaphniphyllodes* (Hu & Wang) W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 4 (1989): P. adaphniphyllodes.  
 johnstonianum  
   *var. glomerulatum* C.Y. Wu in *Fl. Yunnanica*, 3: 325 (1983)—China.  
 ledoides (Hand.-Mazz.) C.Y. Wu in *Fl. Yunnanica*, 3: 328 (1983): P. heterophyllum *var. ledoides*.  
 longicarpum S.K. Wu in *Fl. Yunnanica*, 3: 316 (1983)—China.  
 membranifolium S.C. Huang in *Fl. Yunnanica*, 3: 314 (1983)—China.  
 molokaiense H. St. John in *Phytologia*, 63(6): 468 (1987)—Hawaiian Is.  
 monanthum C.Y. Wu in *Fl. Yunnanica*, 3: 318 (1983)—China.  
 parvifolium  
   *var. beecheyi* (Tuyama) H. Ohba in *J. Jap. Bot.*, 64(11): 326 (1989): P. beecheyi.  
 podocarpifolium C.Y. Wu in *Fl. Yunnanica*, 3: 318 (1983)—China.  
 radiculatum H. St. John in *Phytologia*, 63(6): 468 (1987); et in *Phytologia*, 64(3): 178 (1988)—Hawaiian Is.  
 reflexisepalum C.Y. Wu in *Fl. Yunnanica*, 3: 326 (1983)—China.  
 ternstroemioides C.Y. Wu in *Fl. Yunnanica*, 3: 320 (1983)—China.

**PITYOPSIS** (Compos.).

- aspera  
   *var. adenolepis* (Fern.) J.C. Semple & F.D. Bowers in *Univ. Waterloo Biol. Ser.*, 29: 18 (1985): *Chrysopsis adenolepis*. N19851987 415  
 graminifolia  
   *var. latifolia* (Fern.) J.C. Semple & F.D. Bowers in *Univ. Waterloo Biol. Ser.*, 29: 28 (1985): *Chrysopsis graminifolia var. latifolia*.  
   *var. tenuifolia* (Torr.) J.C. Semple & F.D. Bowers in *Univ. Waterloo Biol. Ser.*, 29: 24 (1985): *Inula graminifolia*  $\beta$  *tenuifolia*. N19851987 415

**PLAGIOBASIS** (Compos.).

- sogdiana A. Bunge, *Beitr. Fl. Russl.*: 185 (1852)—U.S.S.R. (Middle Asia).†



**PLAGIOBOTHRYS** (Boraginac.).

figuratus

*subsp. corallincarpi* (Piper) K.L. Chambers in *Madroño*, 36(4): 281 (1989 publ. 1990): *Allocarya corallincarpa*.

**PLAGIOPETALUM** (Melastomatac.).

esquirolii

*var. quadrangulum* (Rehd.) C. Hansen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 133 (1988): *P. quadrangulum*.  
*var. serratum* (Diels) C. Hansen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 133 (1988): *Oxyspora serrata*.  
*tenuicaule* (C. Chen) C. Hansen in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 10(2): 134 (1988): *Phyllagathis tenuicaulis*.

**PLAGIOSTACHYS** (Zingiberac.).

*elliptica* S.O. Tong & Y.M. Xia in *Acta Phytotax. Sin.*, 25(6): 460 (1987)—China.

**PLAKOTHIRA** J. Florence in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 7(3): 239 (1985 publ. 1986). **LOASACEAE**.

*frutescens* J. Florence in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 7(3): 240 (1985 publ. 1986)—Marquesas Is.

**PLANCHONELLA** (Sapotac.).

*endlicheri* (Montr.) A. Guillaumin in *Ann. Soc. Bot. Lyon*, 38: 101 (1913 publ. 1914); *et Sp. Montrouz.*: 27 (1914) (reprint): *Sapota endlicheri*.†  
*reticulata* (Baillon) Pierre ex M. Dubard in *Ann. Mus. Col. Marseille*, 10: 45 (1912): *Sideroxylon reticulatum*.

**PLANEA** P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 32 (1990). **COMPOSITAE**.

*schlechteri* (L. Bol.) P.O. Karis in *Bot. J. Linn. Soc.*, 102(1): 32 (1990): *Metalasia schlechteri*.

**PLANICHLOA** B.K. Simon in *Austrobaileya*, 2(3): 212 (1986). **GRAMINEAE**.

*nervilemma* B.K. Simon in *Austrobaileya*, 2(3): 212 (1986)—Australia (Queensland).

**PLANTAGO** (Plantaginac.).

*adspersus* Bernh., *Sel. Sem. Hort. Erfurt.*, 1835; *Linnaea* 11, *Lit.*: 86 (1837); *cf. D.J. Mabberley in Taxon*, 32(1): 85 (1983)—Locality not stated.

afra

*subsp. zwierleinii* (Nicotra) S. Brullo in *Doc. Phytosoc., N.S.*, 9: 9 (1985), in reprint: *P. psillium* *var. zwierleinii*.

arachnoidea

*var. lorata* J.Z. Liu in *Acta Phytotax. Sin.*, 27(4): 300 (1989)—Xinjiang.

argentea

*subsp. liburnica* V. Ravnik in *Biol. Vestn.*, 36(3): 56 (1988)—Jugoslavia, Italy.

*densiflora* J.Z. Liu in *Acta Phytotax. Sin.*, 27(4): 298 (1989)—China.

holosteuum

*var. littoralis* (Rouy) M. Kerguelen in *Lejeunia*, 120: 141 (1987): *P. recurvata* *var. littoralis*.

humilis

*subsp. insularis* (Gren. & Godron) M. Kerguelen & J. Lambinon in *Lejeunia*, 120: 141 (1987): *P. subulata* *var. insularis*.

*lachnantha* A. Bunge, *Beitr. Fl. Russl.*: 270 (1852)—U.S.S.R. (Middle Asia).†

*lagocephala* A. Bunge, *Beitr. Fl. Russl.*: 269 (1852)—U.S.S.R. (Middle Asia).†

*obconica* W.R. Sykes in *New Zealand J. Bot.*, 26(2): 321 (1988)—New Zealand.

*pilosa* A.J. Cavanilles, *Icon.*, 3: 25 (1795)—Spain.

spatulata

*subsp. picta* (Colenso) W.R. Sykes in *New Zealand J. Bot.*, 26(2): 323 (1988): *P. picta*.

subulata

*subsp. humilis* (Guss.) W. Greuter & Burdet in *Willdenowia*, 19(1): 39 (1989): *P. humilis*.

triandra

*subsp. masoniae* (Cheeseman) W.R. Sykes in *New Zealand J. Bot.*, 26(2): 322 (1988): *P. masonae*.

**PLATANThERA** (Orchidac.).

*arfakensis* J. Renz in *J. Orchid Soc. India*, 1(1–2): 25 (1987)—New Guinea (W. Irian).

*bhutanica* K. Inoue in *J. Jap. Bot.*, 61(7): 193 (1986)—Bhutan.

*curvata* K.Y. Lang in *Fl. Xizangica*, 5: 697 (1987), nom. nov.: *Habenaria platantheroides* Tang & Wang.

*handel-mazzettii* K. Inoue in *J. Jap. Bot.*, 61(7): 195 (1986)—China.

hyperborea

*f. alba* M.H.S. Light in *Lindleyana*, 4(3): 158 (1989)—Canada (Quebec).

*lancifolia* (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 159 (1916–1920 publ. 1926): *P. montana* *var. lancifolia*.

*peichiatieniana* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 691 (1987)—Taiwan.

*platantheroides* (Tang & Wang) K.Y. Lang in *Bot. Res., Inst. Bot. (Beijing)*, 1989(4): 9 (1989): *Habenaria platantheroides*.

*praeclara* C.J. Sheviak & M.L. Bowles in *Rhodora*, 88(854): 278 (1986)—U.S.A. (N. Dakota).

*zothecina* (Higgins & Welsh) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 69(3): 134 (1990): *Habenaria zothecina*.

**PLATANUS** (Platanac.).

*subgen. Castaneophyllum* J.F. Leroy in *Compt. R. Séances Acad. Sci., Sér. 3 (Paris)*, 295(3): 251, 254 (1982).

**PLATYAECHMEA** (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989), without basionym ref.: Basionym not stated (Bromeliac.).

*anomala* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989), generic name not validly publ.: *Aechmea anomala*.

*caesia* (E. Morren ex Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989), generic name not validly publ.: *Aechmea caesia*.

*chantinii* (Carrière) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 73 (1989), generic name not validly publ.: *Billbergia chantinii*.

*contracta* (Martius ex Schultes f.) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Billbergia contracta*.

*dealbata* (E. Morren ex Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea dealbata*.

*dichlamidea* (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea dichlamidea*.

*var. pariaensis* (Pittendrigh) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea dichlamidea* *var. pariaensis*.

*var. trinitensis* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea dichlamidea* *var. trinitensis*.

*distichantha* (Lemaire) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea distichantha*.

*f. albiflora* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea distichantha* *f. albiflora*.

*var. glaziovii* (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea glaziovii*.

*var. schlumbergeri* (E. Morren ex Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea distichantha* *var. schlumbergeri*.

*var. vernicosa* (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea distichantha* *var. vernicosa*.

*fasciata* (Lindley) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Billbergia fasciata*.

*var. flavivittata* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea fasciata* *var. flavivittata*.

*var. pruinosa* (Reitz) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea fasciata* *var. pruinosa*.

**PLATYAECHMEA** :-

*var. purpurea* (Guill.) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Billbergia rhodocyanea* *var. purpurea*.

*flavoresea* (E. Pereira) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea flavo-rosea*.

*moorei* (Luther) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea moorei*.

*retusa* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea retusa*.

*romeroi* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 74 (1989), generic name not validly publ.: *Aechmea romeroi*.

*serrata* (L.) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Tillandsia serrata*.

*smithiorum* (Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Aechmea smithiorum*.

*tessmannii* (Harms) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Aechmea tessmannii*.

*tillandsioides* (Martius ex Schultes f.) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Billbergia tillandsioides*.

*var. kienastii* (E. Morren ex Mez) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Aechmea kienastii*.

*wittmackiana* (Regel) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Quesnelia wittmackiana*.

*zebrina* (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 75 (1989), generic name not validly publ.: *Aechmea zebrina*.

**PLATYCARYA** (Juglandac.).

*simplicifolia* G.R. Long in *Acta Phytotax. Sin.*, 28(4): 328 (1990)—China.

*var. ternata* G.R. Long in *Acta Phytotax. Sin.*, 28(4): 329 (1990)—China.

**PLATYCAULOS** (Restionac.).

*acutus* E.E. Esterhuysen in *Bothalia*, 15(3–4): 434 (1985)—South Africa (Cape Province).

*anceps* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 436 (1985): *Hypolaena anceps*.

*callistachyus* (Kunth) H.P. Linder in *Bothalia*, 15(3–4): 436 (1985): *Restio callistachyus*.

*cascadensis* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 436 (1985): *Restio cascadenensis*.

*depauperatus* (Kunth) H.P. Linder in *Bothalia*, 15(3–4): 436 (1985): *Restio depauperatus*.

*major* (Mast.) H.P. Linder in *Bothalia*, 15(3–4): 436 (1985): *Restio compressus* *var. major*.

*subcompressus* (Pillans) H.P. Linder in *Bothalia*, 15(3–4): 437 (1985): *Restio subcompressus*.

**PLATYCRATER** (Hydrangeac.).

arguta

*var. sinensis* H. Hara in *J. Jap. Bot.*, 61(3): 70 (1986)—China.

**PLATYMITRA** (Annonac.).

*arborea* (Blanco) P.J.A. Kessler in *Blumea*, 33(2): 473 (1988): *Macanea arborea*.

**PLATYSTELE** (Orchidac.).

*subgen. Teagueia* C.A. Luer,  *Ic. Pleurothallid. I-Syst. Pleurothallidinae* (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 45 (1986).

*megaloglossa* C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 39 (1986)—Colombia.

*phasimida* C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 42 (1986)—Colombia.

*rauhii* C.A. Luer in *Orchidee*, 38(2): 61 (1987)—Peru.

**PLECTRANTHUS** (Labiatac.).

*acaulis* R.K. Brummitt & J.H. Seyani in *Kew Bull.*, 42(3): 695 (1987)—Malawi, Zambia.

japonicus

*var. macraei* (Benth.) S.R. Srinivasan in *A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 182 (1987): *P. macraei*.

**PLECTRANTHUS** :-

- kilimandschari (Gürke) H.I. Maass in R. Mansfeld, *Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 3: 1136 (1986): Coleus kilimandschari.
- parviflorus Henckel, *Adumb. Pl. Hort. Hal.*: 17 (1806, pre 15 May); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.
- salubeni R.K. Brummitt & J.H. Seyani in *Kew Bull.*, 42(3): 690 (1987)—Malawi, Zambia, Tanzania.
- vettiveroides (K.C. Jacob) H.I. Maass in R. Mansfeld, *Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 3: 1137 (1986): Coleus vettiveroides.
- viphyensis R.K. Brummitt & J.H. Seyani in *Kew Bull.*, 42(3): 692 (1987)—Malawi.
- zebrarum R.K. Brummitt & J.H. Seyani in *Kew Bull.*, 42(3): 694 (1987)—Malawi, Zambia.

**PLECTRONIA** (Rubiaceae).

- blepharopetala K. Schum. ex A. Engler in *Abh. Königl. Preuss. Akad. Wiss. Berlin*, 1894: 61 (1894)—Tropical East Africa.†

**PLECTROPHORA** (Orchidaceae).

- suarezii C.H. Dodson & Chase in *Inc. Pl. Trop.*, Ser. 2, 6: t. 570 (1989)—Ecuador.
- tucanderana C.H. Dodson & R. Vásquez Ch. in *Inc. Pl. Trop.*, Ser. 2, 3: t. 275 (1989)—Bolivia.

**PLEIOBLASTUS** (Gramineae).

- baviensis (Balansa) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990): Arundinaria baviensis.
- falcatus (Nees) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990): Arundinaria falcata.

**PLEIONE** (Orchidaceae).

- aurita P.J. Cribb & H. Pfennig in *Orchidee*, 39(3): 111 (1988)—China.
- saxicola Tang & Wang ex S.C. Chen in *Acta Phytotax. Sin.*, 25(6): 473 (1987)—China.

**PLEIOSPILOS** (Aizoaceae).

- subgen. Punctillaria (N.E. Br.) H. Hartmann & S. Liede in *Bot. Jahrb.*, 106(4): 475 (1986): gen. Punctillaria.
- compactus
- subsp. canus (Haw.) H. Hartmann & S. Liede in *Bot. Jahrb.*, 106(4): 476 (1986): Mesembryanthemum canum.
- subsp. fergusoniae (L. Bolus) H. Hartmann & S. Liede in *Bot. Jahrb.*, 106(4): 478 (1986): P. fergusoniae.
- subsp. minor (L. Bolus) H. Hartmann & S. Liede in *Bot. Jahrb.*, 106(4): 479 (1986): P. minor.
- subsp. sororius (N.E. Br.) H. Hartmann & S. Liede in *Bot. Jahrb.*, 106(4): 478 (1986): Mesembryanthemum sororium.

**PLEIOSTACHYA** (Marantaceae).

- leioptachya (Donn. Sm.) B.E. Hammel in *Phytologia*, 60(1): 16 (1986): Ischnosiphon morlae var. leioptachya.

**PLEIOTAXIS** (Compos.).

- bampsiana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 247 (1987)—Zaire.
- duvigneaudii S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 249 (1987)—Zaire.
- jeffreysiana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 250 (1987)—Zaire.
- lawalreana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 251 (1987)—Zaire.
- lejolyana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 252 (1987)—Zaire.
- perfoliata S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 253 (1987)—Zaire.
- petitiana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 254 (1987)—Zaire.
- robysiana S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 255 (1987)—Zaire.
- upembensis S. Lisowski in *Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 256 (1987)—Zaire.

**PLEOMELE** (Dracaenaceae).

- stenophylla H. St. John in *Phytologia*, 64(1): 55 (1987)—Hawaiian Is.

**PLEROMA** (Melastomataceae).

- candidum Bull. Cat., 358: 2 (1901); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**PLEUROPTERANTHA** (Amaranthaceae).

- thulinii C.C. Townsend in *Kew Bull.*, 45(4): 733 (1990)—Somali Republic.

**PLEUROPTEROPYRUM** (Polygonaceae).

- hagei (Royle ex Bab.) A.H. Munshi & G.N. Javeid, *Syst. Stud. Polygonac. Kashmir Himalaya* (J. Econ. Taxon. Bot. Addit. Ser. 2): 79 (1986): Polygonum hagei.
- polystachyum (Wallich ex Meisn.) A.H. Munshi & G.N. Javeid, *Syst. Stud. Polygonac. Kashmir Himalaya* (J. Econ. Taxon. Bot. Addit. Ser. 2): 78 (1986): Polygonum polystachyum.
- rumicifolium (Royle ex Bab.) A.H. Munshi & G.N. Javeid, *Syst. Stud. Polygonac. Kashmir Himalaya* (J. Econ. Taxon. Bot. Addit. Ser. 2): 79 (1986): Polygonum rumicifolium.
- tortuosum (Don) A.H. Munshi & G.N. Javeid, *Syst. Stud. Polygonac. Kashmir Himalaya* (J. Econ. Taxon. Bot. Addit. Ser. 2): 80 (1986): Polygonum tortuosum.

**PLEUROSPERMUM** (Umbelliferae).

- longicarpum Shan & Z.H. Pan in *Fl. Xizangica*, 3: 426 (1986), nom. nov.: Pterocyclus wolffianus Fedde ex Wolff.

**PLEUOSTIMA** (Velloziaceae).

- riparia N.L. de Menezes & R. de Mello-Silva in *Acta Bot. Brasil.*, 1(2)Supl.: 196 (1988)—Brazil.

**PLEUROTHALLIS** (Orchidaceae).

- sect. Abortivae C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 57 (1986).
- subgen. Acianthera (Scheidw.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 12 (1986): gen. Acianthera.
- subsect. Acronia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 61 (1986), nom. nov.: gen. Acronia Presl.
- subgen. Aenigma C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 26 (1986).
- sect. Aenigmata C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 26 (1986).
- subgen. Ancipitia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 29 (1986).
- subgen. Andreettaea (Luer) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 31 (1986): gen. Andreettaea.
- subgen. Apoda-Prorepentia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 31 (1986), nom. nov.: P. sect. Apodae-Prorepentes Lindl.
- subsect. Apodae-Caesipitosae (Lindl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 84 (1986): P. sect. Apodae-Caesipitosae.
- subgen. Arthrosia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 34 (1986).
- subsect. Cardiostolae C.A. Luer in *Lindleyana*, 3(3): 133 (1988).
- subgen. Crocodeilanthe (Rchb. f. & Warsc.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 34 (1986): gen. Crocodeilanthe.
- sect. Cryptophoranthae C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986), nom. nov.: gen. Cryptophoranthus Barb. Rodr.
- sect. Cucumeres C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 81 (1986).
- subgen. Dracontia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 38 (1986).
- subgen. Dresslera C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 38 (1986).
- subgen. Elongata C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 41 (1986), nom. nov.: P. sect. Elongatae Lindl.
- subgen. Empusella C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 41 (1986).
- subgen. Kraenzlinella (Kuntze) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 44 (1986): gen. Kraenzlinella.
- subsect. Longicaulae (Barb. Rodr.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 86 (1986): Lepanthes sect. Longicaulae.
- subsect. Macrophyllae-Fasciculata C.A. Luer in *Lindleyana*, 3(3): 133 (1988).
- subsect. Macrophyllae-Racemosae (Lindl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 61 (1986): P. sect. Macrophyllae-Racemosae.
- subgen. Masdevalliantha C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 44 (1986).
- sect. Mentosae C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 86 (1986).
- subgen. Mirabilia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 47 (1986).
- subgen. Mirandia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 47 (1986).
- sect. Muscaria C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 89 (1986).
- subgen. Mystax C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 50 (1986).
- subsect. Pectinatae C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 20 (1986).
- sect. Phloeophila C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 17 (1986), nom. nov.: gen. Phloeophila Hoehne & Schltr.
- subgen. Physosiphon (Lindl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 50 (1986): gen. Physosiphon.
- subgen. Physothallis (Garay) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 53 (1986): gen. Physothallis.
- subgen. Pleurobotryum (Barb. Rodr.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 53 (1986): gen. Pleurobotryum.
- subgen. Pseudotomera (Krzl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 67 (1986): gen. Pseudotomera.
- subgen. Restrepioidia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 70 (1986), nom. nov.: P. sect. Restrepioidae Lindl.
- subgen. Rhynchopera (Kl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 70 (1986): gen. Rhynchopera.
- subgen. Rubellia C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 73 (1986).
- subgen. Sarracena (Luer) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 73 (1986): gen. Sarracena.
- subgen. Scopula C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 76 (1986), nom. nov.: gen. Colombiana Ospina.
- subsect. Sicariae (Lindl.) C.A. Luer, *Inc. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 20 (1986): P. sect. Sicariae.

**PLEUROTHALLIS** :-

- subgen. *Talpinaria* (Karst.) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 96 (1986): gen. *Talpinaria*.
- sect. *Tetragona* C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 3 (1989).
- sect. *Tomentosae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 22 (1986).
- sect. *Tribuloides* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 91 (1986).
- sect. *Tricarinatae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 22 (1986), without latin descr.
- sect. *Tripteranthae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 94 (1986).
- sect. *Truncatae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 67 (1986).
- sect. *Unciferae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 94 (1986).
- sect. *Vestigipetalae* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 26 (1986).
- subgen. *Xenion* C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 96 (1986).
- asaroides (Krzl.) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 73 (1986): *Physosiphon asaroides*.
- aspergillum C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 56 (1989)—Ecuador.
- atrohiata D.D. Dod in *Moscossa*, 5: 226 (1989)—Hispaniola (Haiti).
- balaeniceps C.A. Luer & R.L. Dressler in *Orquideologia*, 16(3): 47 (1986)—Panama.
- bucranon C.A. Luer & Hirtz in *Lindleyana*, 3(3): 134 (1988)—Ecuador.
- cachabensis C.A. Luer & Hirtz in *Lindleyana*, 3(3): 137 (1988)—Ecuador.
- carrenoi G. Carnevali F.C. & I. Ramírez de Carnevali in *Ernstia*, 44: 18 (1987)—Venezuela.
- cauda-phocae C.A. Luer & Hirtz in *Lindleyana*, 3(3): 137 (1988)—Ecuador.
- compressicaulis D.D. Dod in *Moscossa*, 3: 113 (1984)—Hispaniola (Haiti).
- condorensis C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 14 (1989)—Ecuador.
- curtisii D.D. Dod in *Moscossa*, 3: 111 (1984)—Hispaniola (Haiti).
- cylindrica (Luer) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 53 (1986): *Physothallis cylindrica*.
- cymbiformis D.D. Dod in *Moscossa*, 3: 101 (1984), nom. nov.: *Cryptophoranthus erosus* Garay.
- deborana G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 77(3): 553 (1990)—Venezuela.
- dejavu C.A. Luer & Hirtz in *Lindleyana*, 3(3): 140 (1988)—Ecuador.
- eccentrica C.A. Luer & Hirtz in *Lindleyana*, 3(3): 140 (1988)—Ecuador.
- exserta C.A. Luer & Hirtz in *Lindleyana*, 3(3): 143 (1988)—Ecuador.
- formondii D.D. Dod in *Moscossa*, 3: 116 (1984)—Hispaniola (Haiti).
- haitiensis D.D. Dod in *Moscossa*, 3: 113 (1984)—Hispaniola (Haiti).
- hoeijeri C.A. Luer & Hirtz in *Lindleyana*, 3(3): 143 (1988)—Ecuador.
- holstii G. Carnevali F.C. & I. Ramírez in *Ernstia*, 39: 18 (1986)—Venezuela.
- inornata C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 30 (1989)—Ecuador.
- jalapensis (Krzl.) L.A. Garay in *Bot. Mus. Leaf. Harvard Univ.*, 30(3): (58) 192 (1985 publ. 1986): *Masdevallia jalapensis*.
- lanigera C.A. Luer & Hirtz in *Lindleyana*, 3(3): 146 (1988)—Ecuador.
- megalotis C.A. Luer & Hirtz in *Lindleyana*, 3(3): 146 (1988)—Ecuador.

**PLEUROTHALLIS** :-

- minimifolia C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986), nom. nov.: *Cryptophoranthus minimus* Cogn.
- mittelli D.D. Dod in *Moscossa*, 3: 109 (1984), as 'mittelli'—Hispaniola (Haiti).
- muricata T. Hashimoto in *Bull. Nation. Sci. Mus., B* (Tokyo), 13(1): 35 (1987)—Peru.
- nakatae T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 4: 3 (1986)—Peru.
- neibanus D.D. Dod in *Moscossa*, 3: 101 (1984), nom. nov.: *Cryptophoranthus aurantiacus* Dod.
- neobradei C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 17 (1986), nom. nov.: *Physosiphon bradei* Schltr.
- neoharlingii C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 53 (1986), nom. nov.: *Physothallis harlingii* Garay.
- neojordanensis C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986), nom. nov.: *Cryptophoranthus jordanensis* Brade.
- neojurgensis C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986), nom. nov.: *Cryptophoranthus jurgensis* Schltr.
- ocellus (Luer) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 31 (1986): *Andreettaea ocellus*.
- odobeniceps C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 38 (1989)—Colombia.
- onagriceps C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 40 (1989)—Ecuador.
- paulensis (Hoehne & Schltr.) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 17 (1986): *Phloeophila paulensis*.
- pemonum G. Carnevali & I. Ramírez in *Ann. Missouri Bot. Gard.*, 77(3): 555 (1990)—Venezuela.
- punctatiflora C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986), nom. nov.: *Cryptophoranthus punctatus* Barb. Rodr.
- sarracenia C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 73 (1986), nom. nov.: *Physosiphon pubescens* Barb. Rodr.
- sieberi C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 34 (1986), nom. nov.: *Sprecklinia floribunda* Lindl.
- similis (Schltr.) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 17 (1986): *Cryptophoranthus similis*.
- spicata (Dutra) C.A. Luer,  *Ic. Pleurothallid. III - Syst. Pleurothallis* (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 17 (1986): *Cryptophoranthus spicatus*.
- stillsonii D.D. Dod in *Moscossa*, 3: 107 (1984)—Hispaniola (Haiti).
- tetroxys C.A. Luer,  *Ic. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 66 (1989)—Colombia.
- valvola C.A. Luer & Hirtz in *Lindleyana*, 3(3): 149 (1988)—Ecuador.
- vinealis C.A. Luer & R. Escobar R. in *Orquideologia*, 16(3): 30 (1986)—Colombia.

**PLEUROTHYRIUM** (Laurac.).

- amplifolium (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 43 (1986): *Nectandra amplifolia*.
- costanense H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 408 (1987)—Venezuela.
- golfodulcense W. Burger & N. Zamora in *Fieldiana, Bot.*, 23: 115 (1990)—Costa Rica.
- grandiflorum H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 408 (1987)—Colombia.
- hexaglandulosum H. van der Werff in *Ann. Missouri Bot. Gard.*, 75(2): 417 (1988)—Panama.
- intermedium (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 43 (1986): *Nectandra intermedia*.
- palmanum (Mez & Smith) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 41 (1986): *Ocotea palmana*.

**PLEUROTHYRIUM** :-

- trianae (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 43 (1986): *Nectandra trianae*.
- undulatum (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 44 (1986): *Oreodaphne undulata*.
- westphaliae H. van der Werff in *Ann. Missouri Bot. Gard.*, 74(2): 410 (1987), as 'westphalii'—Guatemala.

**PLINIA** (Myrtac.).

- callosa M. Sobral in *Napaea, Rev. Bot.*, 4: 12 (1988)—Brazil.
- povedae P.E. Sánchez-Vindas in *Brenesia*, 25–26: 313 (1986 publ. 1988)—Costa Rica.
- puriscalensis P.E. Sánchez-Vindas & Q. Jiménez M. in *Brenesia*, 32: 113 (1989 publ. 1990)—Costa Rica.
- rivularis (Camb.) A.D. Rotman in *Bol. Soc. Argent. Bot.*, 24(1–2): 195 (1985): *Eugenia rivularis*.

**PLOWMANIA** A.T. Hunziker & R. Subils in Kurtziana, 18: 127 (1986). **SOLANACEAE**.

- nyctaginoides (Standley) A.T. Hunziker & R. Subils in *Kurtziana*, 18: 127 (1986): *Brunfelsia nyctaginoides*.

**PLUCHEA** (Compos.).

- sect. *Amplectifolium* G.L. Nesom in *Phytologia*, 67(2): 162 (1989).
- sect. *Pterocaulis* G.L. Nesom in *Phytologia*, 67(2): 164 (1989).
- arabica (Boiss.) M. Qaiser & H.W. Lack in *Willdenowia*, 15(2): 451 (1986): *Varthemia arabica*.
- mexicana (Godfrey) G.L. Nesom in *Phytologia*, 67(2): 159 (1989): *P. rosea* var. *mexicana*.
- rufescens (DC.) A.J. Scott in *Kew Bull.*, 42(4): 854 (1987): *Monarrhenus rufescens*.
- senecioides (DC.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 390 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Blumea senecioides*.
- yucatanensis G.L. Nesom in *Phytologia*, 67(2): 160 (1989)—Mexico, Belize, U.S.A. (Mississippi).

**PLUMBAGO** (Plumbaginac.).

- americana Weigel, *Hort. Gryph.*: 12 (1782); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984)—Locality not stated.

**PLUMERIA** (Apocynac.).

- magna T.A. Zanoni & M.M. Mejía P. in *Moscossa*, 5: 89 (1989)—Hispaniola (Dominican Republic).
- rubra
- var. *acuminata* (Ait.) R.S. Rao & G.V.A. Balamani in *J. Ind. Bot. Soc.*, 63(3): 227 (1984): *P. acuminata*.

**POA** (Gramin.).

- acicularifolia
- subsp. *ophitalis* E. Edgar in *New Zealand J. Bot.*, 24(3): 444 (1986)—New Zealand.
- acroleuca
- f. *submoniliformis* (Makino) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 523 (1987): *P. acroleuca* var. *submoniliformis*.
- alpina
- subsp. *atlantica* (Trabut) A.M. Romo in *Treb. Inst. Bot. Barcelona*, 11: 40 (1987): *P. alpina* var. *atlantica*.
- altoperuana R. Lara & J. Fernández Casas in *Fontqueria*, 21: 19 (1988)—Bolivia.
- anceps
- subsp. *polyphylla* (Hackel) E. Edgar in *New Zealand J. Bot.*, 24(3): 452 (1986): *P. polyphylla*.
- angustifolia
- var. *angustiglumis* (Roshev.) V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 150: 56 (1988): *P. angustiglumis*.
- var. *laxispicula* D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 102 (1987)—Xinjiang.
- annua
- f. *reptans* (Hausskn.) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 523 (1987): *P. annua* var. *reptans*.
- arjinsanensis D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 87 (1987)—Xinjiang.

**POA :-**

- aucklandica  
 subsp. campbellensis (Petrie) E. Edgar in *New Zealand J. Bot.*, 24(3): 467 (1986): P. campbellensis.  
 subsp. rakiura E. Edgar in *New Zealand J. Bot.*, 24(3): 467 (1986)—New Zealand.  
 barbata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 114 (1784)—Japan.†  
 biflora Ferat ex C.C. Gillet & J.-H. Magne, *Nouv. Fl. Française*, éd. 3, 538 (1873), non Retz (1789)—Spain.  
 bulbosa  
 var. hackelii (Post) N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 246 (1986): P. hackelii.  
 celsa E. Edgar in *New Zealand J. Bot.*, 24(3): 463 (1986)—New Zealand.  
 chokensis S.M. Phillips in *Kew Bull.*, 41(4): 1027 (1986)—Ethiopia.  
 cita E. Edgar in *New Zealand J. Bot.*, 24(3): 446 (1986), nom. nov.: P. caespitosa Sprengel.  
 eminens  
 var. alexeji (Sofeikova & Worosch.) V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 150: 58 (1988): P. alexeji.  
 eragrostis (L.) Brotero, *Fl. Lusit.*, 1: 103 (1804), non L. (1753): Briza eragrostis.  
 ferruginea C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 114 (1784)—Japan.†  
 festucoides N.R. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 95 (1987)—Xinjiang.  
 subsp. kunluensis N.R. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 97 (1987)—Xinjiang.  
 florida N.R. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 91 (1987)—Xinjiang.  
 glauca  
 subsp. extremiorientalis (Ohwi) V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 150: 57 (1988): P. extremiorientalis.  
 subsp. frearitis (Orph. ex Halácsy) H. Scholz in *Willdenowia*, 15(2): 395 (1986): P. caesia var. frearitis.  
 subsp. kitadakensis (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 524 (1987): P. kitadakensis.  
 f. pallida (Lange) J. Cayouette in *Nat. Canad.*, 113(4): 332 (1986): P. glauca γ pallida.  
 harae K.R. Rajbhandari in *Acta Phytotax. Geobot.*, 39(1-3): 55 (1988)—Nepal.  
 hedbergii S.M. Phillips in *Kew Bull.*, 44(1): 134 (1989)—Ethiopia.  
 hesperia E. Edgar in *New Zealand J. Bot.*, 24(3): 442 (1986)—New Zealand.  
 hirta C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 113 (1784)—Japan.†  
 intrusa E. Edgar in *New Zealand J. Bot.*, 24(3): 463 (1986)—New Zealand.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 114 (1784)—Japan.†  
 jugicola D.I. Morris in *Muelleria*, 7(2): 167 (1990)—Tasmania.  
 kanaii K.R. Rajbhandari in *Acta Phytotax. Geobot.*, 39(1-3): 58 (1988)—Nepal.  
 karatavica A. Bunge, *Beitr. Fl. Russl.*: 349 (1852)—U.S.S.R. (Middle Asia).†  
 legionensis (Lainz) Fernández Casas & M. Lainz in *M. Lainz, Mis contrib. conocim. fl. Asturias*: 83 (1982): P. pratensis subsp. legionensis.  
 lejeunii (Dumort.) B.D. Jackson in *Index Kewensis*, 2: 573 (1753-1885 publ. 1894): P. pratensis\* (subsp.) lejeunii.  
 macroanthera D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 97 (1987)—Xinjiang.  
 subsp. meilitzky D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 100 (1987)—Xinjiang.  
 macrocalyx  
 var. koriakiensis V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 150: 56 (1988)—U.S.S.R. (Soviet Far East).  
 subsp. koriakiensis (Worosch.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): P. macrocalyx var. koriakiensis.  
 subsp. sugawarae (Ohwi) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): P. sugawarae.  
 subsp. tatewakiana (Ohwi) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): P. tatewakiana.

**POA :-**

- maia E. Edgar in *New Zealand J. Bot.*, 24(3): 470 (1986)—New Zealand.  
 major D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 83 (1987)—Xinjiang.  
 malacantha  
 subsp. shinanoana (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 524 (1987): P. shinanoana.  
 membranigluma D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 89 (1987)—Xinjiang.  
 mustangensis K.R. Rajbhandari in *Acta Phytotax. Geobot.*, 39(1-3): 61 (1988)—Nepal.  
 nemoralis  
 var. parca N.R. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 103 (1987)—Xinjiang.  
 ophiolithica H. Scholz in *Willdenowia*, 15(2): 396 (1986)—Greece.  
 parvissima Gui ex D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 85 (1987)—Xinjiang.  
 perligularis H. Scholz in *Willdenowia*, 16(2): 404 (1987), nom. nov.: P. bulbosa subsp. perligulata H. Scholz.  
 piifontii J. Fernández Casas, J. Molero & A. Susanna in *Fontqueria*, 21: 17 (1988)—Bolivia.  
 poiformis  
 var. ramifer D.I. Morris in *Muelleria*, 7(2): 169 (1990)—Tasmania, Australia (Victoria).  
 poiphagorum  
 var. hunczilapensis Keng ex D.F. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 100 (1987)—Xinjiang.  
 pratensis  
 subsp. turfosa (Litv.) V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(2): 91 (1990): P. turfosa.  
 remota  
 subsp. raduliformis (Probat.) V.N. Voroshilov in *Byull. Glavn. Bot. Sada (Moscow)*, 150: 56 (1988): P. raduliformis.  
 scabristemmed N.R. Cui in *Acta Bot. Bor.-Occid. Sin.*, 7(2): 93 (1987)—Xinjiang.  
 senex E. Edgar in *New Zealand J. Bot.*, 24(3): 477 (1986)—New Zealand.  
 sphondylodes  
 subsp. kelungensis (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 525 (1987): P. kelungensis.  
 sublimis E. Edgar in *New Zealand J. Bot.*, 24(3): 465 (1986)—New Zealand.  
 subpolaris V.B. Kuvaev in *Novosti Sist. Vyssh. Rast.*, 24: 18 (1987)—U.S.S.R. (Siberia).  
 subvestita (Hackel) E. Edgar in *New Zealand J. Bot.*, 24(3): 436 (1986): P. novae-zelandiae var. subvestita.  
 sudicola E. Edgar in *New Zealand J. Bot.*, 24(3): 437 (1986)—New Zealand.  
 tonsa E. Edgar in *New Zealand J. Bot.*, 24(3): 477 (1986)—New Zealand.

**POAEPHYLLUM (Orchidac.).**

- uniflorum J.J. Wood in *Lindleyana*, 5(2): 97 (1990)—Borneo (Sabah).

**POCHOTA (Bombacac.).**

- amazonica (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Bombacopsis amazonica.  
 aracamuniana J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 951 (1989)—Venezuela.  
 coriacea (Martius & Zucc.) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Bombax coriaceum.  
 subsp. orinocensis (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Rhodognaphalopsis coriacea subsp. orinocensis.  
 cowanii (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Bombacopsis cowanii.  
 ewelii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(2): 1077 (1988)—Brazil.  
 flaviflora (Pulle) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Bombax flaviflorum.  
 fuscolepidota J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1077 (1988)—Venezuela.

**POCHOTA :-**

- gracilis (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Rhodognaphalopsis gracilis.  
 subsp. bolivarensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1078 (1988)—Venezuela.  
 humilis (Spruce ex Decne.) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Pachira humilis.  
 liesneri J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1079 (1988)—Venezuela.  
 maguirei (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Rhodognaphalopsis maguirei.  
 mawarinumae J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1079 (1988)—Venezuela.  
 minor (Sims) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Carolea minor.  
 nitida (Kunth) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Pachira nitida.  
 obovata (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 397 (1988): Bombacopsis obovata.  
 orinocensis (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Bombacopsis orinocensis.  
 pseudamazonica (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Bombacopsis pseudamazonica.  
 pseudofaroensis (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Rhodognaphalopsis pseudofaroensis.  
 quinata (Jacq.) W.D. Stevens in *Taxon* 36(2): 463 (1987): Bombax quinatum.  
 redmondii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1081 (1988)—Venezuela.  
 robynii J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(4): 1586 (1988 publ. 1989), nom. nov.: Bombacopsis coriacea Robyns.  
 sessilis (Benth.) W.D. Stevens in *Taxon* 36(2): 463 (1987): Pachira sessilis.  
 sordida (R. Schultes) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Bombax sordidum.  
 speciosa (Triana & Planchon) O.M. Montiel in *Phytologia*, 64(5): 336 (1988): Pachira speciosa.  
 squamigera (Cuatrec.) O.M. Montiel in *Phytologia*, 64(5): 336 (1988): Pseudobombax squamigerum.  
 tepuiensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1081 (1988)—Venezuela.  
 trinitensis (Urban) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Pachira trinitensis.  
 wurdackii (Robyns) J.A. Steyermark & W.D. Stevens in *Ann. Missouri Bot. Gard.*, 75(1): 398 (1988): Bombacopsis wurdackii.

**PODAECHMEA (Mez) L.B. Smith & W.J. Kress in Phytologia**, 66(1): 70 (1989), without basionym ref.: Basionym not stated (Bromeliac.).

- ferruginea (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989), generic name not validly publ.: Aechmea ferruginea.  
 galeottii (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989), generic name not validly publ.: Aechmea galeottii.  
 lueddemanniana (K. Koch) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989), generic name not validly publ.: Pironneava lueddemanniana.  
 macvaughii (L.B. Smith) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989), generic name not validly publ.: Aechmea macvaughii.  
 mexicana (Baker) L.B. Smith & W.J. Kress in *Phytologia*, 66(1): 70 (1989), generic name not validly publ.: Aechmea mexicana.

**PODANDROGYNE (Capparac.).**

- colombiana H.H. Iltis & T.S. Cochrane in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 266 (1989)—Colombia.  
 densiflora (Benth.) H.H. Iltis & T.S. Cochrane in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 268 (1989): Gynandropsis densiflora.  
 f. pallens (Tr. & Pl.) H.H. Iltis & T.S. Cochrane in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 268 (1989): Cleome densiflora var. β pallens.



**PODANDROGYNE** :—

trichopus (Benth.) H.H. Iltis & T.S. Cochrane in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 270 (1989): *Gynandropsis trichopus*.

**PODOCARPUS** (Legumin.).

*ser. Tuberifera* C. Chen & X.J. Cui in *Acta Bot. Yunnanica*, 9(3): 307 (1987).  
*fallax* (Schindl.) C. Chen & X.J. Cui in *Acta Bot. Yunnanica*, 9(3): 306 (1987): *Desmodium fallax*.  
*var. densum* C. Chen & X.J. Cui in *Acta Bot. Yunnanica*, 9(3): 306 (1987)—China.  
*menglaense* C. Chen & X.J. Cui in *Acta Bot. Yunnanica*, 9(3): 305 (1987)—China.

**PODOCARPUS** (Podocarpaceae).

*angustifolius*  
*var. aristulatus* (Parl.) J. Staszkiwicz in *Fragm. Flor. Geobot.*, 33(1–2): 77 (1988), without basionym ref.: *P. aristulatus*.  
*subsp. buchii* (Urb.) J. Staszkiwicz in *Fragm. Flor. Geobot.*, 33(1–2): 77 (1988): *P. buchii*.  
*var. leonii* (Car.) J. Staszkiwicz in *Fragm. Flor. Geobot.*, 33(1–2): 77 (1988), without basionym ref.: *P. leonii*.  
*f. victorinianus* (Car.) J. Staszkiwicz in *Fragm. Flor. Geobot.*, 33(1–2): 77 (1988), without basionym ref.: *P. victorinianus*.  
*aracensis* D.J. de Laubenfels & J. Silba in *Phytologia*, 65(5): 330 (1988)—Brazil.  
*barretoi de Laubenfels* & J. Silba in *Phytologia*, 68(1): 65 (1990)—Brazil.  
*brasiliensis* D.J. de Laubenfels in *Fl. Venezuela*, 11(2): 31 (1982)—Brazil, Venezuela.  
*buchholzii* D.J. de Laubenfels in *Fl. Venezuela*, 11(2): 31 (1982)—Venezuela.  
*var. neblinensis* J. Silba in *Phytologia*, 68(1): 66 (1990)—Venezuela, Brazil.  
*caespitosus* (Brongn. & Gris) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 76 (1989): *P. alpinus* var. *caespitosus*.  
*celatus* D.J. de Laubenfels in *Fl. Venezuela*, 11(2): 35 (1982)—Bolivia, Peru, Venezuela.  
*chinensis*  
*var. wardii* D.J. de Laubenfels & J. Silba in *Phytologia*, 65(5): 331 (1988)—Burma.  
*epiphyticus* D.J. de Laubenfels & J. Silba in *Phytologia*, 64(4): 290 (1988)—Burma.  
*hispaniolensis* D.J. de Laubenfels in *Moscossa*, 3: 149 (1984)—Hispaniola (Dominican Republic).  
*indonesiensis* D.J. de Laubenfels & J. Silba in *Phytologia*, 64(4): 292 (1988)—Celebes, Moluccas.  
*macrophyllus*  
*var. piliramus* Z.X. Chen & Z.Q. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 69 (1989)—China.  
*matudae*  
*var. jaliscanus de Laubenfels* & J. Silba in *Phytologia*, 68(1): 68 (1990)—Mexico.  
*var. reichei* (Buchholz & Gray) de Laubenfels & J. Silba in *Phytologia*, 68(1): 69 (1990): *P. reichei*.  
*oleifolius*  
*var. equadorensis* J. Silba in *Phytologia*, 68(1): 69 (1990)—Ecuador.  
*palawanensis* D.J. de Laubenfels & J. Silba in *Phytologia*, 64(4): 291 (1988)—Philippine Is.  
*polystachyus*  
*var. thevetiifolius* (Blume) J. Silba in *Phytologia*, 68(1): 70 (1990): *P. thevetiifolius*.

**PODOCHILUS** (Orchidaceae).

*intermedius* L.V. Averyanov in *Bot. Zhurn.*, 73(7): 1022 (1988)—Vietnam.

**PODOLOBIUM** (Legumin.).

*bidwellianum* J.W. Loudon, *Ladies' Mag. Gard.*, 1: t. 8, fig. 4 (Aug. 1841); cf. D.J. Mabberley in *Taxon*, 27(5–6): 491 (1978)—Australia.

**PODOTHECA** (Compos.).

*pritzelii* P.S. Short in *Muelleria*, 7(1): 49 (1989)—Australia (W. Australia).  
*uniseta* P.S. Short in *Muelleria*, 7(1): 51 (1989)—Australia (W. Australia).  
*wilsonii* P.S. Short in *Muelleria*, 7(1): 46 (1989)—Australia (W. Australia).

**POECILANTHE** (Legumin.).

*itapuna* G.P. Lewis in *Kew Bull.*, 44(1): 167 (1989)—Brazil.

**POECILOSTACHYS** (Gramin.).

*oplismenoides* (Hack.) W.D. Clayton in *Kew Bull.*, 42(2): 403 (1987): *Panicum oplismenoides*.

**POGONOPUS** (Rubiaceae).

*erythroxyton* (Standl.) J.H. Kirkbride in *Acta Amazonica*, 15(1–2): 54 (1985 publ. 1986): *Capirona erythroxyton*.

**POGESTEMON** (Labiatae).

*erectus*  
*var. gracilis* (Dolz.) G. Panigrahi in *J. Orissa Bot. Soc.*, 6(1): 52 (1984): *Dysophylla gracilis*.  
*kachinensis* (Mukherjee) G. Panigrahi in *J. Orissa Bot. Soc.*, 6(1): 53 (1984): *Dysophylla kachinensis*.

**POHLIDIUM** G. Davidse, T.R. Soderstrom & R.P. Ellis in *Syst. Bot.*, 11(1): 131 (1986).  
**GRAMINEAE.**

*petiolatum* G. Davidse, T.R. Soderstrom & R.P. Ellis in *Syst. Bot.*, 11(1): 131 (1986)—Panama.

**POIKILACANTHUS** (Acanthaceae).

*capitatus* (Leonard) T.P. Ramamoorthy in *Syst. Bot.*, 14(2): 151 (1989): *Jacobinia capitata*.  
*glandulosus* (Nees) L. Ariza Espinar in *Kurtziana*, 17: 159 (1984): *Orthotactus glandulosus*.  
*harlingii* D.C. Wasshausen in *Op. Bot.*, 92: 275 (1987)—Ecuador.

**POILANNAMMIA** C. Hansen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(3): 263 (1987 publ. 1988).  
**MELASTOMATACEAE.**

*allomorphioidea* C. Hansen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(3): 268 (1987 publ. 1988)—Vietnam.  
*costata* C. Hansen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(3): 266 (1987 publ. 1988)—Vietnam.  
*incisa* C. Hansen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(3): 270 (1987 publ. 1988)—Vietnam.  
*trimera* C. Hansen in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(3): 266 (1987 publ. 1988)—Vietnam.

**POINSETTIA** (Euphorbiaceae).

*cyathophora* (J. Murr.) Bartl., *Ind. Sem. Hort. Acad. Gott.*, 1839: 6 (1839); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983): *Euphorbia cyathophora*.

**POIRETIA** (Legumin.).

*bahiana* C. Müller in *Rev. Brasil. Bot.*, 9(1): 23 (1986 publ. 1989)—Brazil.  
*crenata* C. Müller in *Rev. Brasil. Bot.*, 9(1): 23 (1986 publ. 1989)—Brazil.  
*elegantia* C. Müller in *Rev. Brasil. Bot.*, 9(1): 26 (1986 publ. 1989)—Brazil.  
*marginata* C. Müller in *Rev. Brasil. Bot.*, 9(1): 26 (1986 publ. 1989)—Brazil.  
*metrogrossensis* C. Müller in *Rev. Brasil. Bot.*, 9(1): 26 (1986 publ. 1989)—Brazil.

**POLEMANNIA** (Umbelliferae).

*acutifolia* O.M. Hilliard & B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 225 (1986)—South Africa (Cape Province, Orange Free State, Natal), Lesotho.

**POLEMANNIOPSIS** B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 498 (1988 publ. 1989).  
**UMBELLIFERAE.**

*marlothii* (H. Wolff) B.L. Burtt in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 499 (1988 publ. 1989): *Polemannia* (?) *marlothii*.

**POLEMONIUM** (Polemoniaceae).

*arabense*  
*var. hirticaule* G.H. Liu & Y.Q. Ma in *Acta Sci. Nat. Univ. Intramongolicae*, 20(3): 392 (1989)—China.  
*pucheranum*  
*subsp. lindleyi* (Wherry) V. Grant in *Bot. Gaz.*, 150(2): 163 (1989): *P. lindleyi*.

**POLEMONIUM** :—

*sumushanense* G.H. Liu & Y.Q. Ma in *Acta Sci. Nat. Univ. Intramongolicae*, 20(3): 392 (1989)—China.

**POLHILLIA** C.H. Stirton in *S. Afr. J. Bot.*, 52(2): 170 (1986), nom. nov.: *Lebeckia* subgen.

*Plecolobium* C.H. Stirton (Legumin.).  
*brevicalyx* (C.H. Stirton) B.E. van Wyk & A.L. Schutte in *Kew Bull.*, 44(3): 420 (1989): *Argyrolobium brevicalyx*.  
*canescens* C.H. Stirton in *S. Afr. J. Bot.*, 52(2): 177 (1986)—South Africa (Cape Province).  
*connatum* (Harv.) C.H. Stirton in *S. Afr. J. Bot.*, 52(2): 174 (1986): *Argyrolobium connatum*.  
*involutum* (Thunb.) B.E. van Wyk & A.L. Schutte in *Kew Bull.*, 44(3): 420 (1989): *Psoralea involutata*.  
*pallens* C.H. Stirton in *S. Afr. J. Bot.*, 52(2): 171 (1986)—South Africa (Cape Province).  
*waltersii* (C.H. Stirton) C.H. Stirton in *S. Afr. J. Bot.*, 52(2): 173 (1986): *Lebeckia waltersii*.

**POLIANTHES** (Agavaceae).

*geminiflora*  
*var. clivicola* R. McVaugh, *Fl. Novo-Galiciana*, 250 (1989)—Mexico.  
*var. graminifolia* (Rose) R. McVaugh, *Fl. Novo-Galiciana*, 15: 251 (1989): *P. graminifolia*.

**POLYALTHIA** (Annonaceae).

*australis* (Benth.) L.W. Jessup in *Austrobaileya*, 2(3): 227 (1986): *Popowia australis*.  
*meghalayensis* V. Prakash & B.N. Mehrotra in *Nordic J. Bot.*, 10(1): 45 (1990)—India.  
*ovalifolia* S.H. Rogstad in *J. Arnold Arbor.*, 70(2): 214 (1989)—Borneo (Sarawak, Brunei).

**POLYCARENA** (Scrophulariaceae).

*aemulans* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 486 (1988 publ. 1989)—South Africa (Cape Province).  
*batteniana* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 486 (1988 publ. 1989)—South Africa (Cape Province).  
*comptonii* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 487 (1988 publ. 1989)—South Africa (Cape Province).  
*exigua* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 487 (1988 publ. 1989)—South Africa (Cape Province).  
*formosa* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 487 (1988 publ. 1989)—South Africa (Cape Province).  
*gracilis* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 487 (1988 publ. 1989)—South Africa (Cape Province).  
*lilacina* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 488 (1988 publ. 1989)—South Africa (Cape Province).  
*var. difficilis* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 488 (1988 publ. 1989)—South Africa (Cape Province).  
*nardouwensis* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 488 (1988 publ. 1989)—South Africa (Cape Province).  
*subtilis* O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 488 (1988 publ. 1989)—South Africa (Cape Province).

**POLYCARPAEA** (Caryophyllaceae).

*corymbosa*  
*var. diffusa* (Wight & Arn.) S.R. Ramesh & B.A. Razi in *J. Econ. Taxon. Bot.*, 7(3): 740 (1985 publ. 1986): *P. diffusa*.  
*var. longipetala* S.R. Srinivasan & D. Narasimhan in *J. Econ. Taxon. Bot.*, 10(2): 347 (1987 publ. 1988)—India.  
*pulvinata* M.G. Gilbert in *Kew Bull.*, 42(3): 703 (1987)—Somali Republic.  
*rupicola* J.-P. Lebrun & A.L. Stork in *Bull. Mus. Nation. Hist. Nat.*, B, Adansonia, Ser. 4, 9(1): 39 (1987)—Cameroon.  
*ventiversa* M.G. Gilbert in *Kew Bull.*, 42(3): 704 (1987)—Somali Republic.

**POLYCARPON** (Caryophyllac.).

## polycarpoides

subsp. colomense (*Porta*) *J. Pedrol in Fl. Iberica*, 2: 164 (1990): P. colomense.

## tetraphyllum

f. depauperatum (*Merino*) *F. Amich García in An. Jard. Bot. Madrid*, 43(2): 467 (1986 publ. 1987): P. tetraphyllum var. depauperatum.

f. ovalifolium (*Merino*) *F. Amich García in An. Jard. Bot. Madrid*, 43(2): 467 (1986 publ. 1987): P. tetraphyllum var. ovalifolium.

**POLYGALA** (Polygalac.).

ser. Densifoliae *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 56 (1988 publ. 1989).

sect. Melchiora (*Steen.*) *R. van der Meijden in Fl. Males.*, 10(3): 465 (1988): Bredemeyera sect. Melchiora.

ser. Sedoideae *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 16 (1988 publ. 1989).

## albicans

var. caracaensis *Glaz. ex M. do C.M. Marques in Rodriguésia*, 36(60): 7 (1984)—Brazil.

var. silvae *M. do C.M. Marques in Rodriguésia*, 36(60): 7 (1984)—Brazil.

angustifolia (*Chodat*) *R.N. Banerjee in Bull. Bot. Surv. India*, 26(1–2): 2 (1984 publ. 1985): P. arillata var. angustifolia.

var. scandens (*Mukerjee*) *G.S. Giri & R.N. Banerjee in Bull. Bot. Surv. India*, 26(1–2): 3 (1984 publ. 1985): P. arillata f. scandens.

## arillata

var. chartacea (*Mukerjee*) *G.S. Giri in Bull. Bot. Surv. India*, 26(1–2): 5 (1984 publ. 1985): P. arillata f. chartacea.

var. laevicarpa *R.N. Banerjee & G.S. Giri in Candollea*, 42(2): 557 (1987)—Nepal, Sikkim.

var. revoluta (*Mukerjee*) *G.S. Giri in Bull. Bot. Surv. India*, 26(1–2): 5 (1984 publ. 1985): P. arillata f. revoluta.

caespitosa *T. Nees, Pl. Offic.*, sub t. 411 (?1828); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982)—Locality not stated.

## comosa

var. hybrida (*DC.*) *D.A. Petelin in Sosud. Rast. Sovet. Dal'negu Vostoka*, 2: 192 (1987): P. hybrida.

## cuspidata

var. comata (*Benn.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 35 (1988 publ. 1989): P. comata.

## densifolia

var. exasperata (*Chod.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 65 (1988 publ. 1989): P. exasperata.

var. rostrata (*Chod.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 64 (1988 publ. 1989): P. rostrata.

## exigua

var. fendleri (*Chod.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 69 (1988 publ. 1989): P. fendleri.

## globulifera

var. kachinensis (*Mukerjee*) *R.N. Banerjee in Bull. Bot. Surv. India*, 26(1–2): 6 (1984 publ. 1985): P. arillata f. kachinensis.

## glochidiata

var. subaphylla (*St.-Hil.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 71 (1988 publ. 1989): P. raddiana var. subaphylla.

## herbiola

var. chapadensis (*Chod. ex Grond.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 24 (1988 publ. 1989): P. chapadensis.

var. vitellina (*Wurd.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 24 (1988 publ. 1989): P. vitellina.

lactiflora *J. Paiva & R.K. Brummitt in An. Jard. Bot. Madrid*, 43(1): 24 (1986)—Malawi.

millsapughiana *J.A.R. Paiva in Fontqueria*, 7: 1 (1985), nom. nov.: P. uncinata *Wright ex Millsp.*

## minima

var. oxyrhynchos (*Chod.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 70 (1988 publ. 1989): P. oxyrhynchos.

**POLYGALA** :—

negevensis *A. Danin in Israel J. Bot.*, 36(2): 67 (1987)—Israel, Jordan, Sinai Peninsula, Saudi Arabia.

## nicaeensis

subsp. pannonica (*Pócs*) *Melzer ex T. Wraber & M. Palma in Biol. Vestn.*, 30(2): 119 (1982): P. nicaeensis var. pannonica.

papuana (*Steen.*) *R. van der Meijden in Fl. Males.*, 10(3): 465 (1988): Bredemeyera papuana.

## pseudoerica

var. juniperoides (*Chod.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 44 (1988 publ. 1989): P. juniperoides.

schwartziana *J.A.R. Paiva in An. Jard. Bot. Madrid*, 45(1): 155 (1988), nom. nov.: P. subaphylla *Schwartz.*

## senensis

var. calcicola (*Chodat*) *J.A.R. Paiva in An. Jard. Bot. Madrid*, 45(1): 157 (1988): P. calcicola.

stephaniana *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 73 (1988 publ. 1989), nom. nov.: P. weddelliana *Chod.*

## timoutoides

var. maguirei (*Wurd.*) *M.C.M. Marques in Arq. Jard. Bot. Rio de Janeiro*, 29: 39 (1988 publ. 1989): P. maguirei.

## vulgaris

f. angustifolia *Tosco ex G. Ariello, G.G. Bellia & M.T. Della Beffa in Rea*, 11: 10 (1981–87 publ. 1988)—Italy.

f. latifolia *Tosco ex G. Ariello, G.G. Bellia & M.T. Della Beffa in Rea*, 11: 10 (1981–87 publ. 1988)—Italy.

**POLYGONATUM** (Convallariac.).

adnatum *S.Y. Liang in Acta Phytotax. Sin.*, 25(1): 65 (1987)—China.

cirrhiifoliosides *D.M. Liu & W.Z. Zeng in Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 91 (1986)—China, Xizang.

longipedunculatum *S.Y. Liang in Acta Phytotax. Sin.*, 25(1): 64 (1987)—China.

longistylum *Y. Wan ex C.Z. Gao in Guihaia*, 10(3): 177 (1990)—China.

strumulosum *D.M. Liu & W.Z. Zeng in Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 92 (1986)—China.

tsinlingense *Y.W. Tsui in Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(3): 135 (1949)—China.

vietnamicum *L.I. Abramova in Novosti Sist. Vyssh. Rast.*, 23: 47 (1986)—Vietnam.

**POLYGONUM** (Polygonac.).

subsect. Alpestrina *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 26: 68 (1989).

sect. Corrigioloides *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 26: 72 (1989).

sect. Paronychioides *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 26: 72 (1989).

sect. Plebeja *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 24: 78 (1987).

subsect. Setosa *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 26: 72 (1989).

aboriginum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria aboriginum.

abscissum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria abscissa.

alismaefolium (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria alismaefolia.

ammophilum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria ammophila.

amplexicaulis (*D. Don*) *L.P. Ronse Decraene in Bot. J. Linn. Soc.*, 98(4): 368 (1988): Polygonum amplexicaule.

## arenastrum

var. caspicum (*Kom.*) *N.N. Tsvelev in Novosti Sist. Vyssh. Rast.*, 26: 69 (1989): P. caspicum.

asclepiadeum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria asclepiadea.

## aviculare

subsp. bellardii (*All.*) *O. de Bolòs & J. Vigo, Fl. Paisos Catalans*, 2: 619 (1990): P. bellardii.

**POLYGONUM** :—

var. heterophyllum (*Lindm.*) *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2)*: 55 (1986): P. heterophyllum.

subsp. pulchellum (*Loisel.*) *O. de Bolòs & J. Vigo, Fl. Paisos Catalans*, 2: 620 (1990): P. pulchellum.

## balansae

subsp. battandieri (*Maire & Sennen*) *W. Greuter in Willdenowia*, 16(2): 451 (1987): P. aviculare subsp. battandieri.

subsp. induratum (*Asch. & Barbey*) *W. Greuter in Willdenowia*, 16(2): 451 (1987): P. induratum.

subsp. rhizoxylon (*Pau & Font Quer*) *W. Greuter in Willdenowia*, 16(2): 451 (1987): P. rhizoxylon.

baltistanicum *M.N. Chaudhri in Pakistan Syst.*, 3(1): 30 (1987)—Pakistan.

## bellardii

var. densa *J. Pastor & A. Aparicio in Lagasalia*, 14(1): 133 (1986)—Spain.

botuliforme *V. Mozaffarian in Iranian J. Bot.*, 4(1): 62 (1988)—Iran.

calophyllum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 415 (1905): Bistorta calophylla.

canadense (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria canadensis.

## caurianum

subsp. hudsonianum *S.J. Wolf & J. McNeill in Rhodora*, 88(856): 469 (1986)—Canada (Quebec, Labrador).

chelanicum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria chelanica.

clarkei *C.W. Park in Brittonia*, 38(3): 217 (1986), nom. nov.: P. pedunculare var. assamicum *Hook. f.*

covillei (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria covillei.

cusickii (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria cusickii.

## debilis

f. purpurea *N. Yonezawa in J. Phytogeogr. Taxon.*, 33(1): 56 (1985)—Japan.

## dichotomum

var. angustissima (*Hook. f.*) *V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 197 (1987): P. pedunculare var. angustissima.

var. angustissimum (*Hook. f.*) *C.W. Park in Mem. New York Bot. Gard.*, 47: 75 (1988), isonym see *V. Chandrasekaran in A.N. Henry et al., Fl. Tamil Nadu, India, Ser. 1*, 2: 197 (1987): P. pedunculare var. angustissimum.

var. nilagiricum (*Hook. f.*) *V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 198 (1987): P. pedunculare var. nilagirica.

var. robustum (*Hook. f.*) *V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, Fl. Tamil Nadu, India, Ser. 1*, 2: 198 (1987): P. pedunculare var. robusta.

## douglasii

subsp. engelmannii (*E. Greene*) *J.T. Kartesz & K.N. Gandhi in Phytologia*, 68(6): 424 (1990): P. engelmannii.

## dumetorum

var. subalatum *A.E. Borodina in Rast. Tsentral. Azii*, 9: 120 (1989)—Xinjiang.

ebracteatum *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2)*: 56 (1986)—India.

filiforme *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 377 (1784)—Japan.†

fistulosum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria fistulosa.

franciscanum (*E.L. Greene*) *F. Fedde in Just's Bot. Jahresber.*, 32(1): 417 (1905): Persicaria franciscana.

franktonii *S.J. Wolf & J. McNeill in Rhodora*, 88(856): 474 (1986)—Canada (Nova Scotia).

## fusco-ochreatum

f. stans (*Kütz.*) *C.F. Fang in Fl. Liaoningica, chief ed. S.X. Li*, 1: 319 (1988), without basionym ref.: P. stans.

ganderbalense *A.H. Munshi & G.N. Javeid, Syst. Stud. Polygonac. Kashmir Himalaya (J. Econ. Taxon. Bot. Addit. Ser. 2)*: 55 (1986), as 'ganderbalensis'—India.

**POLYGONUM** :-

- grandifolium (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria grandifolia*.  
 hassanabdalicum M.N. Chaudhri in *Pakistan Syst.*, 3(1): 28 (1987)—Pakistan.  
 hesperium (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria hesperia*.  
 homalostachyum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria homalostachya*.  
 humifusum  
   *f. yamatutae* (Kitag.) C.F. Fang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 320 (1988): *P. yamatutae*.  
 insigne (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria insignis*.  
 laetevirens (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria laetevirens*.  
 langloisii (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria langloisii*.  
 laurinum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria laurina*.  
 leptophyllum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 415 (1905): *Bistorta leptophylla*.  
 lilacinum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 415 (1905): *Bistorta lilacina*.  
 littorale (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 415 (1905): *Bistorta littoralis*.  
 lonchophyllum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria lonchophylla*.  
 mesochorum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria mesochora*.  
 mirajabii M.N. Chaudhri in *Pakistan Syst.*, 3(1): 28 (1987)—Pakistan.  
 multiflorum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 379 (1784)—Japan.†  
 muriculatum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria muriculata*.  
 novae-angliae (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria novae-angliae*.  
 ophiophilum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria ophiophila*.  
 oreganum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria oregana*.  
 otophyllum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria otophylla*.  
 oxyspermum  
   *subsp. robertii* (Loisel.) J.R. Akeroyd & D.A. Webb in *Bot. J. Linn. Soc.*, 97(4): 344 (1988): *P. robertii*.  
 papillosum P. Hartvig in *Willdenowia*, 19(1): 75 (1989)—Greece.  
 plantagineum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria plantaginea*.  
 plattense (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria plattensis*.  
 popovii A.E. Borodina in *Rast. Tsentral. Azii*, 9: 104 (1989)—Xinjiang.  
 porteri (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria porteri*.  
 pratincolum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria pratincola*.  
 pronum C.F. Fang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 335 (1988), nom. nov.: *P. procumbens* Chang & Li.  
 propinquum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria propinqua*.  
 przewalskii A. Skvorts. & A.E. Borodina in *Rast. Tsentral. Azii*, 9: 106 (1989)—China.  
 psammophilum (Bordz. ex Tzvel.) N.N. Tzvelev in *Novosti Sist. Vyssh. Rast.*, 25: 188 (1988): *P. novoascanicum* *subsp. psammophilum*.  
 psychrophilum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria psychrophila*.  
 purpuratum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria purpurata*.  
 raii Bab. in *Brewster, Taylor & Phillips, Phil. Mag. & J. Sci.*, 8: 346 (Apr. 1836); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982)—Locality not stated.

**POLYGONUM** :-

- remotum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria remota*.  
 ribesoides Huber, *Cat. Végét.*: 14 (1875); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
 rigidulum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria rigidula*.  
 romanum  
   *subsp. balearicum* M. Raffaelli & L. Villar in *Collect. Bot.*, 17(1): 50 (1987 publ. 1988)—Balearic Is.  
   *subsp. gallicum* (Raffaelli) M. Raffaelli & L. Villar in *Collect. Bot.*, 17(1): 50 (1987 publ. 1988): *P. gallicum*.  
 roseoviride  
   *var. manshuricola* (Kitag.) C.F. Fang in *Fl. Liaoningica*, chief ed. S.X. Li, 1: 334 (1988): *Persicaria manshuricola*.  
 rothrockii (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria rothrockii*.  
 samsunicum S. Yildirimli & E. Leblebici in *Willdenowia*, 19(1): 87 (1989)—Turkey.  
 scaberulum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 415 (1905): *Bistorta scaberula*.  
 schischkini Ivanova ex A.E. Borodina in *Rast. Tsentral. Azii*, 9: 104 (1989), nom. nov.: *P. glareosum* Schischk.  
 scopulinum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 415 (1905): *Bistorta scopulina*.  
 senegalense  
   *subsp. albotomentosum* (R.A. Grah.) G. Germishuizen in *Bothalia*, 16(2): 233 (1986): *P. senegalense* f. *albotomentosum*.  
 senticosum  
   *var. sagittifolium* (Léveillé & Vaniot) C.W. Park in *Brittonia*, 38(3): 218 (1986): *P. sagittifolium*.  
 sivasicum Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 439 (1988 publ. 1989)—Turkey.  
 spectabile (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria spectabilis*.  
 strigosum  
   *var. angustissimum* (Hook.f.) P.V. Bole & M.R. Almeida in *J. Bombay Nat. Hist. Soc.*, 86(2): 177 (1989): *P. pedunculare* *var. angustissimum*.  
 subcoriaceum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria subcoriacea*.  
 subsagittatum (De Wildeman) C.W. Park in *Brittonia*, 38(3): 218 (1986): *P. pedunculare* *var. subsagittatum*.  
 vestitum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria vestita*.  
 villosulum (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria villosula*.  
 viviparum  
   *var. ramiflora* L. Villar in *An. Jard. Bot. Madrid*, 44(1): 185 (1987)—Spain.  
 volchovense N.N. Tzvelev in *Novosti Sist. Vyssh. Rast.*, 25: 187 (1988)—U.S.S.R. (European Russia).  
 wardii (E.L. Greene) F. Fedde in *Just's Bot. Jahresber.*, 32(1): 417 (1905): *Persicaria wardii*.

**POLYMNIA** (Compos.).

- cossatotensis A.B. Pittman & V. Bates in *Sida*, 13(4): 481 (1989)—U.S.A. (Arkansas).

**POLYOSMA** (Escalloniace.).

- robusta (Ridl.) L.G. Saw in *Tree Fl. Malaya*, 4: 468 (1989): *P. laete-virens* *var. robusta*.

**POLYPOGON** (Gramin.).

- monspeliensis  
   *var. indicus* S. Bhattacharya & S.K. Jain in *Bull. Bot. Surv. India*, 25(1-4): 208 (1983 publ. 1985)—India, Afghanistan.

**POLYSCIAS** (Araliac.).

- schmidii P.P. Lowry in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(2): 140 (1989)—Vanuatu.

**POLYSPORA** (Theac.).

- axillaris  
   *var. nantoensis* (Keng) S.S. Ying in *Quart. J. Chinese Forest.*, 20(4): 130 (1987): *Gordonia axillaris* *var. nantoensis*.  
   *var. tagawae* (Ohwi) S.S. Ying in *Quart. J. Chinese Forest.*, 20(4): 130 (1987): *Gordonia tagawae*.

**POLYSTACHYA** (Orchidac.).

- babelonii D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 484 (1987)—Zaire.  
 fabriana D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 492 (1986)—Rwanda.  
 mildbraedii  
   *var. angustifolia* (Summerh.) D. Geerinck in *Fl. Rwanda - Spermatophytes*, 4: 610 (1988): *P. angustifolia*.  
 ruwenzoriensis  
   *var. tridentata* (Summerh.) D. Geerinck in *Fl. Rwanda - Spermatophytes*, 4: 612 (1988): *P. tridentata*.  
 stewartiana D. Geerinck in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 493 (1986)—Zaire.

**POMADERRIS** (Rhamnac.).

- brogoensis N.G. Walsh in *Muelleria*, 6(6): 429 (1988)—Australia (New South Wales).  
 clivicola E.M. Ross in *Austrobaileya*, 3(2): 315 (1990)—Australia (Queensland).  
 cocoparrana N.G. Walsh in *Muelleria*, 7(2): 209 (1990)—Australia (New South Wales).  
 gilmourii N.G. Walsh in *Muelleria*, 7(1): 81 (1989)—Australia (New South Wales).  
   *var. cana* N.G. Walsh in *Muelleria*, 7(1): 82 (1989)—Australia (New South Wales).  
 halmaturina  
   *subsp. continentis* N.G. Walsh in *Muelleria*, 7(2): 282 (1990)—Australia (Victoria, S. Australia).  
 humilis N.G. Walsh in *Muelleria*, 7(1): 84 (1989)—Australia (Victoria).  
 oblongifolia N.G. Walsh in *Muelleria*, 7(2): 284 (1990)—Australia (Victoria).  
 oraria  
   *subsp. calcicola* N.G. Walsh in *Muelleria*, 7(2): 271 (1990)—Australia (Victoria).  
 paniculosa  
   *subsp. paralia* N.G. Walsh in *Muelleria*, 7(2): 274 (1990)—Australia (Victoria, W. Australia, S. Australia), Tasmania.  
 parrisiae N.G. Walsh in *Muelleria*, 7(2): 207 (1990)—Australia (New South Wales).  
 virgata N.G. Walsh in *Muelleria*, 6(6): 431 (1988)—Australia (New South Wales).

**POMATOCALPA** (Orchidac.).

- angustifolia G. Seidenfaden in *Op. Bot.*, 95: 110 (1988)—Thailand.  
 linearifolia G. Seidenfaden in *Op. Bot.*, 95: 98 (1988)—Thailand.

**PONERA** (Orchidac.).

- dressleriana M.A. Soto Arenas in *Orquidea (México)*, 12(1): 118 (1990)—Mexico.

**PONERORCHIS** (Orchidac.).

- renzii S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 199 (1986)—India.  
 taitungensis (Ying) S.S. Ying in *Quart. J. Chinese Forest.*, 21(2): 116 (1988): *Orchis taitungensis*.  
   *var. alboforens* (Ying) S.S. Ying in *Quart. J. Chinese Forest.*, 21(2): 116 (1988): *Orchis taitungensis* *var. alboforens*.

**PONTHIEVA** (Orchidac.).

- angustipetala E.W. Greenwood in *Orquidea (México)*, 10(1): 9 (1986)—Mexico.  
 cuyujana C.H. Dodson & Hirtz in *Ic. Pl. Trop.*, Ser. 2, 6: t. 572 (1989)—Ecuador.  
 garayana C.H. Dodson & R. Vázquez Ch. in *Ic. Pl. Trop.*, Ser. 2, 4: t. 365 (1989)—Bolivia.  
 schaffneri (Rchb. f.) E.W. Greenwood in *Orquidea (México)*, 12(1): 55 (1990): *Cranichis schaffneri*.  
 vasquezii C.H. Dodson in *Ic. Pl. Trop.*, Ser. 2, 3: t. 287 (1989)—Bolivia.

**POPULUS** (Salicac.).

- afghanica  
   *var. cuneata* Z. Wang & C.Y. Yang in *Claves Pl. Xinjiang.*, 2: 28 (1982), without latin descr. or type—Xinjiang.  
 cana T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 111 (1986)—China.

**POPULUS**:-

- guzmanantlensis A. Vázquez & R. Cuevas in *Acta Bot. Mex.*, 8: 39 (1989)—Mexico.
- hsinganica  
var. trichorachis Z.F. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 115 (1988)—China.
- intramongolica T.Y. Sun & E.W. Ma in *J. Nanjing Forest. Univ.*, 1986(4): 109 (1986)—China.
- lancifolia N. Chao in *Fl. Sichuanica*, 3: 285 (1985)—China.
- lasiocarpa  
var. longiamentata P.Y. Mao & P.X. He in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 79 (1986)—China.
- nigra  
var. grandifolia N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 270 (1984), as 'comb. nov.'—Jugoslavia.
- f. grandifolia N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 271 (1984)—Jugoslavia.
- var. narentana N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 272 (1984), as 'comb. nov.'—Jugoslavia.
- f. parvifolia N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 272 (1984), as 'comb. nov.'—Jugoslavia.
- f. pseudocaudina N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 271 (1984)—Jugoslavia.
- f. torulosa N. Janjić in *Glasn. Zem. Muz. Bosne Hercegov. Prir. Nauke*, 23: 271 (1984), as 'nom. nov.'—Jugoslavia.
- platyphylla  
var. flaviflora T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 114 (1986)—China.
- var. glauca T.Y. Sun & Z.F. Chen in *J. Nanjing Forest. Univ.*, 1986(4): 115 (1986)—China.
- pseudoglaucula  
var. yatungensis (C. Wang & P.Y. Fu) N. Chao in *Bull. Forest Pl. Res.*, 3: 1 (1985); P. yunnanensis var. yatungensis.
- pseudosimonii  
var. patula T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 113 (1986)—China.
- qiongdaoensis T. Hong & P. Luo in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 67 (1987)—Hainan.
- schneideri (Rehd.) N. Chao in *Fl. Sichuanica*, 3: 50 (1985); P. cathayana var. schneideri.
- var. tibetica (Schneid.) N. Chao in *Fl. Sichuanica*, 3: 50 (1985); P. szechuanica var. tibetica.
- simonii  
var. breviamenta T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 116 (1986)—China.
- var. griseoalba T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 116 (1986)—China.
- var. ovata T.Y. Sun in *J. Nanjing Forest. Univ.*, 1986(4): 115 (1986)—China.
- tomentosa  
var. ferruginea Z.Y. Yu & T.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 254 (1987)—China.
- var. longibracteata Z.Y. Yu & T.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 252 (1987)—China.
- var. orbiculata Z.Y. Yu & T.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 252 (1987)—China.
- var. palmatibracteata Z.Y. Yu & T.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 256 (1987)—China.
- var. stellaribracteata Z.Y. Yu & T.Z. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 7(4): 255 (1987)—China.
- f. yixianensis H.M. Jiang & J.X. Huang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 75 (1989)—China.
- tremula  
f. flagelliformis N. Karhu in *Mem. Soc. Fauna Flora Fenn.*, 65(1): 7 (1989)—Finland.
- f. lallensis L. Hämet-Ahti in *Mem. Soc. Fauna Flora Fenn.*, 65(1): 7 (1989)—Finland.
- trinervis  
var. shimianica Z. Wang & N. Chao in *Fl. Sichuanica*, 3: 285 (1985)—China.
- wenxianica Z.C. Feng & J.L. Guo in *Acta Bot. Bor.-Occid. Sin.*, 10(2): 132 (1990), with two types cited—China.
- ×wettsteinii L. Hämet-Ahti in *Mem. Soc. Fauna Flora Fenn.*, 65(1): 8 (1989)—Cultivation. (P. tremula × tremuloides).
- wulianensis S.B. Liang & X.W. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 135 (1986)—China.

**PORANA** (Convolvulac.).

- commixta G.W. Staples in *Nuytsia*, 6(1): 52 (1987)—Australia (W. Australia, Queensland, New South Wales).

**PORANDRA** (Commelinac.).

- microphylla Y. Wan in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 153 (1986)—China.

**PORFIRIA** (Cactac.).

- schwarzii (Fric) Crkal, Lovc Kaktusu: 395 (1983); cf. *Rept. Pl. Succ. (I.O.S.)*, 34: 7 (1985); Haagea schwarzii.

**POROPHYLLUM** (Compos.).

- pygmaeum D.J. Keil & J.D. Morefield in *Syst. Bot.*, 14(4): 583 (1989)—U.S.A. (Nevada).

**PORPAX** (Orchidac.).

- chandrasekharanii P. Bhargavan & C.N. Mohanan in *Curr. Sci.*, 51(20): 990 (1982)—India.

**PORPHYRODESME** (Orchidac.).

- sarcanthoides (J.J.S.) U.W. Mahyar in *Reinwardtia*, 10(4): 418 (1988); *Renanthera sarcanthoides*.

**PORROGLOSSUM** (Orchidac.).

- sect. Echidnae (Rchb. f.) C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 32 (1987); Masdevallia sect. Echidnae.
- subgen. Eduardia C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 32 (1987).
- sect. Tortae C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 33 (1987).
- dactylum C.A. Luer, *IC. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 26: 108 (1988)—Ecuador.
- dalstroemii C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 44 (1987)—Ecuador.
- hirtzii C.A. Luer, *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 50 (1987)—Ecuador.
- hystrix C.A. Luer, *IC. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 26: 110 (1988)—Ecuador.
- jesupiae C.A. Luer, *IC. Pleurothallid. VI (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 31: 124 (1989)—Ecuador.
- nutibara C.A. Luer & Escobar *IC. Pleurothallid. IV (Monogr. Syst. Bot. Missouri Bot. Gard.)*, 24: 66 (1987)—Colombia.

**PORTERANDIA** (Rubiace.).

- crosbyi (Burkill) A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 190 (1988); *Randia crosbyi*.
- tenuiflora (A.C. Sm.) A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 192 (1988); *Randia tenuiflora*.

**PORTULACA** (Portulacac.).

- carrisoana (Exell & Mend.) B.L. Nyananyo in *Taxon*, 35(3): 592 (1986); *Sedopsis carrisoana*.
- insignis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1058 (1988)—Venezuela.
- pygmaea J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1058 (1988)—Venezuela.

**POTAMOGETON** (Potamogetonac.).

- austrosibiricus L.I. Kashina in I.M. Krasnoborov & T.A. Safonova (eds.), *Novoe Fl. Sibiri*: 243 (1986), as 'austro-sibiricus'—U.S.S.R. (Siberia).
- fontigenus Y.H. Guo, H.Q. Wang & X.Z. Sun in *Acta Bot. Bor.-Occid. Sin.*, 5(4): 301 (1985)—China.
- ×haynesii C.B. Hellquist & G.E. Crow in *Brittonia*, 38(4): 415 (1986)—U.S.A. (Michigan, Minnesota, Vermont), Canada (Ontario). (P. strictifolius × zosterifolius).
- hubiensis W.X. Wang, X.Z. Sun & H.Q. Wang in *Acta Phytotax. Sin.*, 26(2): 160 (1988)—China.
- intortusifolius J.B. He, L.Y. Zhou & H.Q. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 125 (1988)—China.
- ×kyushuensis Y. Kadono & G. Wiegand in *J. Jap. Bot.*, 62(3): 76 (1987)—Japan. (P. maackianus × oxyphyllus).
- ×lanceolatifolius (Tiselius) C.D. Preston in *Watsonia*, 16(4): 437 (1987); P. gramineus f. lanceolatifolius.

**POTAMOGETON**:-

- octandrus  
var. asiaticus (A. Benn.) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 323 (1987); P. asiaticus.
- var. limosellifolius (Maxim. ex Korsh.) N.N. Tsvelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 2: 323 (1987); P. limosellifolius.
- pectinatus  
subsp. chakassiensis L.I. Kashina in I.M. Krasnoborov & T.A. Safonova (eds.), *Novoe Fl. Sibiri*: 245 (1986)—U.S.S.R. (Siberia).
- punense A. Galán-Mera in *Phytologia*, 64(6): 495 (1988)—Peru.
- xinganensis Y.Q. Ma in *Acta Sci. Nat. Univ. Intramongolicae*, 20(2): 281 (1989)—China.
- ×yamagataensis Y. Kadono & G. Wiegand in *J. Jap. Bot.*, 62(3): 73 (1987)—Japan.

**POTENTILLA** (Rosac.).

- ser. Alchemilloides J. Soják in *Candollea*, 42(2): 496 (1987).
- sect. Ancistrifoliae J. Soják in *Candollea*, 42(2): 495 (1987).
- ser. Articulatae J. Soják in *Candollea*, 42(2): 495 (1987).
- ser. Asperrimae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 16 (1983).
- sect. Bhutanicae J. Soják in *Candollea*, 42(2): 495 (1987).
- ser. Biflorae (Wolf) J. Soják in *Candollea*, 42(2): 495 (1987); P. grex Biflorae.
- ser. Bungeanae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 17 (1983).
- ser. Caulescentes (Wolf) J. Soják in *Candollea*, 42(2): 496 (1987); P. grex Caulescentes.
- ser. Clusianae J. Soják in *Candollea*, 42(2): 496 (1987).
- subgen. Dasiphora (Rafin.) G. Panigrahi & B.K. Dikshit in *Bull. Bot. Surv. India*, 27(1-4): 179 (1985 publ. 1987); gen. Dasiphora.
- ser. Desertae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(84): 22 (1981).
- sect. Desertae (Czev.) V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 17 (1983), without basionym ref.: Basionym not stated.
- sect. Duchesneae (J.E. Smith) B.K. Dikshit & G. Panigrahi in *Bull. Bot. Surv. India*, 27(1-4): 181 (1985 publ. 1987); gen. Duchesnea.
- ser. Eriocarpae (Wolf) J. Soják in *Candollea*, 42(2): 494 (1987); P. grex Eriocarpae.
- sect. Farinopsis (Chrtek & Soják) J. Soják in *Candollea*, 42(2): 494 (1987); gen. Farinopsis.
- sect. Graciles (Wolf) J. Soják in *Cas. Nár. Muz. (Prague)*, 152(1): 21 (1983); P. grex Graciles.
- ser. Grammopectalae J. Soják in *Candollea*, 42(2): 496 (1987).
- ser. Heterosepalae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 16 (1983).
- ser. Intermediae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 16 (1983).
- sect. Lipskianae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 3(84): 23 (1981).
- sect. Micranthae J. Soják in *Candollea*, 42(2): 495 (1987).
- ser. Nevadensis V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 18 (1983).
- ser. Norvegicae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 16 (1983).
- ser. Pentandrae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 16 (1983).
- ser. Persicae V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 18 (1983).
- ser. Rivaes V.A. Chevtaeva in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(90): 15 (1983).
- sect. Tridentatae (Wolf) J. Soják in *Cas. Nár. Muz. (Prague)*, 152(1): 21 (1983); P. grex Tridentatae.
- sect. Umbellatae J. Soják in *Candollea*, 42(2): 495 (1987).
- agrimonoides  
var. capitata J. Soják in *Preslia*, 59(4): 302 (1987)—U.S.S.R. (Middle Asia).
- subsp. hispanica (Zimm.) J. Soják in *Cas. Nár. Muz. (Prague)*, 154(2): 74 (1985 publ. 1988); P. hispanica.
- var. intercedens J. Soják in *Preslia*, 59(4): 302 (1987)—U.S.S.R. (Middle Asia).



**POTENTILLA :-**

- var. kobdoensis* *Ź. Soják in Preslia*, 59(4): 302 (1987)—Mongolia.
- var. malacotricha* (*Fuz.*) *Ź. Soják in Preslia*, 59(4): 302 (1987): *P. malacotricha*.
- var. micans* *Ź. Soják in Preslia*, 59(4): 302 (1987)—U.S.S.R. (Siberia).
- subsp. oreodoxa* (*Soják*) *Ź. Soják in Čas. Nár. Muz. (Prague)*, 154(2): 74 (1985 publ. 1988): *P. oreodoxa*.
- var. strigosella* *Ź. Soják in Preslia*, 59(4): 302 (1987)—U.S.S.R. (Caucasus).
- angelliae* *N.H. Holmgren in Brittonia*, 39(3): 342 (1987)—U.S.A. (Utah).
- anglica*
- subsp. nesogenes* (*Briq.*) *Gamisans ex M. Kerguelen in Lejeunia*, 120: 145 (1987): *P. procumbens subsp. nesogenes*.
- aphanes* *Ź. Soják in Willdenowia*, 16(1): 131 (1986)—Mongolia, Xinjiang, China.
- aristata* *Ź. Soják in Candollea*, 43(1): 159 (1988)—Bhutan, Nepal, Sikkim, Xizang.
- bifurca*
- var. misera* *Ź. Soják in Candollea*, 43(2): 451 (1988)—Xizang.
- blanda* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 151(4): 206 (1982 publ. 1983)—U.S.S.R. (Middle Asia).
- var. homotricha* *Ź. Soják in Bot. Jahrb.*, 106(2): 208 (1986)—U.S.S.R. (Middle Asia).
- brassii*
- var. simplex* *C. Kalkman in Blumea*, 34(1): 151 (1989)—New Guinea (W. Irian).
- var. strigosa* *C. Kalkman in Blumea*, 34(1): 151 (1989)—New Guinea (W. Irian).
- ×*burjatica* *Ź. Soják in Bot. Jahrb.*, 106(2): 176 (1986)—U.S.S.R. (Siberia). (*P. arenosa* × *tergemina*).
- var. bigemina* *Ź. Soják in Bot. Jahrb.*, 106(2): 207 (1986)—U.S.S.R. (Siberia).
- var. laeta* *Ź. Soják in Bot. Jahrb.*, 106(2): 206 (1986)—U.S.S.R. (Siberia).
- burmanica* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983)—Burma.
- ×*chamaeleo* *Ź. Soják in Bot. Jahrb.*, 106(2): 184 (1986)—Mongolia. (*P. crebridens* × *pamirica*).
- var. byssina* *Ź. Soják in Bot. Jahrb.*, 106(2): 207 (1986)—Mongolia.
- var. pamiricoides* *Ź. Soják in Bot. Jahrb.*, 106(2): 208 (1986)—Mongolia.
- var. quinata* *Ź. Soják in Bot. Jahrb.*, 106(2): 207 (1986)—Mongolia.
- var. tythanthia* *Ź. Soják in Bot. Jahrb.*, 106(2): 207 (1986)—Mongolia.
- ×*chionea*
- var. chadcalica* *Ź. Soják in Bot. Jahrb.*, 106(2): 206 (1986)—Mongolia.
- var. congesta* *Ź. Soják in Bot. Jahrb.*, 106(2): 206 (1986)—Mongolia.
- var. malyschevii* (*Peschk.*) *Ź. Soják in Bot. Jahrb.*, 106(2): 209 (1986): *P. malyschevii*.
- var. sericeoides* *Ź. Soják in Bot. Jahrb.*, 106(2): 206 (1986)—Mongolia.
- conferta*
- var. laxiuscula* *Ź. Soják in Preslia*, 59(4): 303 (1987)—U.S.S.R. (Middle Asia).
- contigua* *Ź. Soják in Candollea*, 43(1): 160 (1988)—Bhutan, Nepal.
- cottamii* *N.H. Holmgren in Brittonia*, 39(3): 340 (1987)—U.S.A. (Nevada, Utah).
- crantzii*
- subsp. gelida* (*C.A. Mey.*) *Ź. Soják in Čas. Nár. Muz. (Prague)*, 154(2): 74 (1985 publ. 1988): *P. gelida*.
- cristae* *W.Ź. Ferlatte & J.L. Strother in Madroño*, 37(3): 190 (1990)—U.S.A. (California).
- doubjonneana*
- subsp. ossetica* *Ź. Soják in Candollea*, 43(2): 452 (1988)—U.S.S.R. (Caucasus).
- drosocalyx* *Ź. Soják in Bot. Jahrb.*, 109(1): 33 (1987)—China, Xizang.
- exuta* *Ź. Soják in Willdenowia*, 16(1): 127 (1986)—Mongolia, U.S.S.R. (Middle Asia).
- ferganensis* *Ź. Soják in Bot. Jahrb.*, 109(1): 35 (1987)—U.S.S.R. (Middle Asia).
- festiva* *Ź. Soják in Candollea*, 43(1): 166 (1988)—Nepal, Xizang, China.
- flavida* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 151(3): 149 (1982)—India.

**POTENTILLA :-**

- gelida*
- subsp. borissii* (*Ovcz. & Kocz.*) *Ź. Soják in Candollea*, 43(2): 453 (1988): *P. borissii*.
- geoides*
- subsp. halacsyana* (*Degen*) *A. Strid in A. Strid (ed.)*, *Mount. Fl. Greece*, 1: 407 (1986): *P. halacsyana*.
- subsp. longispala* *A. Strid in A. Strid (ed.)*, *Mount. Fl. Greece*, 1: 408 (1986)—Greece.
- subsp. regis-borissii* (*Stoj.*) *A. Strid in A. Strid (ed.)*, *Mount. Fl. Greece*, 1: 408 (1986): *P. regis-borissii*.
- geranioides*
- subsp. syriaca* (*Boiss.*) *Ź. Soják in Čas. Nár. Muz. (Prague)*, 154(2): 74 (1985 publ. 1988): *P. geranioides* *β. syriaca*.
- ghazniensis* *Ź. Soják in Bot. Jahrb.*, 109(1): 42 (1987)—Afghanistan.
- glabriuscula* (*Yü & Li*) *Ź. Soják in Candollea*, 43(2): 453 (1988): *Sibbaldia glabriuscula*.
- gorokana* *C. Kalkman in Blumea*, 34(1): 155 (1989)—New Guinea (Papua New Guinea).
- griffithii*
- subsp. beauvaisii* (*Cardot*) *Ź. Soják in Candollea*, 43(2): 453 (1988): *P. beauvaisii*.
- var. decurrens* *Ź. Soják in Candollea*, 43(2): 452 (1988)—Assam.
- var. intercedens* *Ź. Soják in Candollea*, 43(2): 452 (1988)—Bhutan.
- var. metallica* *Ź. Soják in Candollea*, 43(2): 452 (1988)—Nepal.
- var. reticulata* (*Franchet*) *Ź. Soják in Candollea*, 43(2): 453 (1988): *P. leschenaultiana* var. *reticulata*.
- subsp. yunnanensis* *Ź. Soják in Candollea*, 43(2): 452 (1988)—China.
- var. yunnanensis* *Ź. Soják in Candollea*, 43(2): 452 (1988)—China.
- hilbigii* *Ź. Soják in Willdenowia*, 16(1): 135 (1986)—Mongolia.
- illudens* *Ź. Soják in Candollea*, 43(1): 168 (1988)—Nepal, Bhutan, Xizang.
- indivisa* *C. Kalkman in Blumea*, 34(1): 155 (1989)—New Guinea (W. Irian).
- inopinata* *Ź. Soják in Willdenowia*, 16(1): 130 (1986)—Mongolia.
- ×*insularis* *Ź. Soják in Bot. Jahrb.*, 106(2): 203 (1986)—Svalbard, Greenland. (*P. chamissonis* × *lyngei*).
- irianensis* *C. Kalkman in Blumea*, 34(1): 156 (1989)—New Guinea (W. Irian).
- jacquemontii* (*Franchet*) *Ź. Soják in Bot. Jahrb.*, 106(2): 191 (1986): *P. saundersiana* var. *jacquemontii*.
- jezoensis* *Ź. Soják in Candollea*, 44(2): 752 (1989)—Japan.
- kansuensis* *Ź. Soják in Bot. Jahrb.*, 109(1): 34 (1987)—China.
- laevipes* *Ź. Soják in Willdenowia*, 16(1): 125 (1986)—Mongolia.
- ×*lenae* *Ź. Soják in Bot. Jahrb.*, 106(2): 179 (1986)—U.S.S.R. (Siberia). (*P. arenosa* × *conferta*).
- lineata* *Trev., Ind. Sem. Vratislav.*, 1822; *cf. D.Ź. Mabblerley in Taxon*, 33(3): 443 (1984)—Locality not stated.
- macropoda* *Ź. Soják in Bot. Jahrb.*, 109(1): 43 (1987)—U.S.S.R. (Middle Asia).
- manginii* *C. Kalkman in Blumea*, 34(1): 158 (1989)—New Guinea (W. Irian).
- matsuokana*
- subsp. crebridens* (*Fuz.*) *Ź. Soják in Candollea*, 44(2): 752 (1989): *P. crebridens*.
- subsp. hemicyophila* (*Furtz.*) *Ź. Soják in Candollea*, 44(2): 752 (1989): *P. crebridens subsp. hemicyophila*.
- monanthes*
- var. alata* *Ź. Soják in Candollea*, 43(2): 453 (1988)—Nepal.
- var. violacea* *Ź. Soják in Candollea*, 43(2): 452 (1988)—Bhutan.
- multifida*
- subsp. bimundorum* (*Soják*) *Ź. Soják in Čas. Nár. Muz. (Prague)*, 154(2): 74 (1985 publ. 1988): *P. bimundorum*.
- nanshanica* *Ź. Soják in Bot. Jahrb.*, 109(1): 28 (1987)—China.
- neumanniana*
- var. campestris* (*Wallr.*) *O. de Bolòs & Ź. Vigo, Fl. Países Catalans*: 392 (1984): *P. verna* var. *campestris*.

**POTENTILLA :-**

- var. hirsuta* (*DC.*) *O. de Bolòs & Ź. Vigo, Fl. Países Catalans*: 393 (1984): *P. verna* var. *hirsuta*.
- nivea*
- var. nipharga* (*Rydb.*) *Ź. Soják in Candollea*, 44(2): 751 (1989): *P. nipharga*.
- oligandra* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983)—Xizang.
- omissa* *Ź. Soják in Bot. Jahrb.*, 109(1): 39 (1987)—U.S.S.R. (Siberia, Soviet Far East, Middle Asia).
- oxydonta* *Ź. Soják in Candollea*, 43(1): 162 (1988)—Xizang.
- pamiroalaica*
- var. quasisericea* *Ź. Soják in Bot. Jahrb.*, 109(1): 32 (1987)—India.
- panigrahiana* *B.K. Dikshit in Bull. Bot. Surv. India*, 27(1-4): 107 (1985 publ. 1987)—India, Sikkim, Nepal, Bhutan, Xizang.
- pedata* *Willd. ex Hornem., Hort. Hafn.*: 477 (1815); *cf. D.Ź. Mabblerley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- penniphylla* *Ź. Soják in Bot. Jahrb.*, 109(1): 38 (1987)—U.S.S.R. (Middle Asia).
- pensylvanica*
- var. brevipila* *Ź. Soják in Preslia*, 59(4): 301 (1987)—Canada (Yukon).
- subsp. oreodoxa* (*Soják*) *O. de Bolòs & Ź. Vigo, Fl. Países Catalans*: 380 (1984): *P. oreodoxa*.
- petrovskiyi* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 153(2): 102 (1984)—U.S.S.R. (Soviet Far East).
- prostrata*
- subsp. chamissonis* (*Hult.*) *Ź. Soják in Candollea*, 44(2): 751 (1989): *P. chamissonis*.
- subsp. ciscaspica* *Ź. Soják in Candollea*, 44(2): 752 (1989)—U.S.S.R. (Caucasus).
- subsp. floccosa* *Ź. Soják in Candollea*, 44(2): 751 (1989)—France.
- pseudosimulatrix* *W.B. Liao, S.F. Li & Z.Y. Yu in Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 21 (1990)—China.
- pulchella* *R. Br., Chloris melv.*: 19 (1823); *cf. D.Ź. Mabblerley in Taxon*, 30(1): 17 (1981)—Locality not stated.
- subsp. gracilicaulis* (*A.E. Porsild*) *B.A. Yurtsev in Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 94(3): 86 (1989): *P. pulchella* var. *gracilicaulis*.
- pulvinaris*
- subsp. argenteus* *P. Hartvig & A. Strid in Bot. Jahrb.*, 108(2-3): 335 (1987)—Turkey.
- ×*rhypidophylla* *Ź. Soják in Bot. Jahrb.*, 106(2): 196 (1986)—Mongolia. (*P. crebridens* × *multifida*).
- ×*rubricaulis*
- var. furcata* (*Pors.*) *Ź. Soják in Bot. Jahrb.*, 106(2): 209 (1986): *P. furcata*.
- ×*safronoviae* *B.A. Yurtsev & Soják in Bot. Zhurn.*, 73(11): 1615 (1988)—U.S.S.R. (Siberia, Soviet Far East), Svalbard. (*P. hyparctica* × *pulchella*).
- salwinensis* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983)—China.
- saundersiana*
- var. segmentata* (*Soják*) *Ź. Soják in Bot. Jahrb.*, 106(2): 209 (1986): *P. forrestii* var. *segmentata*.
- schiraziana* *M. Khatamsaz in Iranian J. Bot.*, 3(2): 93 (1987)—Iran.
- serrata* *Ź. Soják in Willdenowia*, 16(1): 133 (1986)—Mongolia.
- ×*subquinata*
- var. niveoides* *Ź. Soják in Bot. Jahrb.*, 106(2): 208 (1986)—Greenland.
- sundaica* (*Miq.*) *W. Theobald in F. Mason, Burmah*, ed. 3, 2: 490 (1883); *cf. D.Ź. Mabblerley in Taxon*, 34(1): 155 (1985): *Duchesnea sundaica*.
- supina*
- subsp. arabica* *Ź. Soják in Preslia*, 59(3): 272 (1987)—Iraq.
- subsp. costata* *Ź. Soják in Preslia*, 59(3): 272 (1987)—U.S.S.R. (Siberia).
- taiwanensis* *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 1: 400 (1985)—Taiwan.
- tapetodes* *Ź. Soják in Čas. Nár. Muz. (Prague)*, 152(3): 160 (1983)—Bhutan.
- ×*thomsonii*
- var. caliginoides* *Ź. Soják in Bot. Jahrb.*, 106(2): 208 (1986)—Xizang.
- var. tibetica* (*Ostenf.*) *Ź. Soják in Bot. Jahrb.*, 106(2): 209 (1986): *P. hololeuca* var. *tibetica*.
- var. trijuga* *Ź. Soják in Bot. Jahrb.*, 106(2): 208 (1986)—India.

**POTENTILLA** :-

- tschimganica *J. Soják in Bot. Jahrb.*, 109(1): 45 (1987)—U.S.S.R. (Middle Asia).  
 turczaninowiana subsp. kuramensis (Wolf) *J. Soják in Candollea*, 43(2): 453 (1988); *P. kuramensis*.  
 subsp. nephogena *J. Soják in Candollea*, 43(2): 452 (1988)—U.S.S.R. (Middle Asia).  
 turkestanica *J. Soják in Bot. Jahrb.*, 109(1): 26 (1987)—Xinjiang, Mongolia.  
 uschakovii *B.A. Yurtsev in Bot. Zhurn.*, 73(11): 1613 (1988)—U.S.S.R. (Soviet Far East).  
 venusta *J. Soják in Candollea*, 43(1): 171 (1988)—India.  
 vilijuga *J. Soják in Bot. Jahrb.*, 109(1): 30 (1987)—India.  
 vittata *J. Soják in Candollea*, 43(1): 164 (1988)—Xizang.  
 var. pluriflora *J. Soják in Candollea*, 43(1): 166 (1988)—Xizang.  
 williamsii *J. Soják in Bot. Jahrb.*, 109(1): 25 (1987)—Nepal.

**POTHOS** (Arac.).

- crassipedunculatus *M. Sivadasan & N. Mohanan in Pl. Syst. Evol.*, 168(3-4): 221 (1989)—India.  
 parvispadi *D.H. Nicolson in M.D. Dassanayake & F.R. Fosberg, eds., Revised Handb. Fl. Ceylon*, 6: 26 (1988)—Sri Lanka.  
 umbraculifera *De Vries, Hort. Spaarn-Berg.*: 41 (1839); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984)—Locality not stated.

**POTHUAVA** (Bromeliac.).

- aciculosa (*Mez & Sodiro*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea aciculosa*.  
 allenii (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea allenii*.  
 alopecurus (*Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea alopecurus*.  
 bocainensis (*E. Pereira & Leme*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea bocainensis*.  
 drakeana (*André*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea drakeana*.  
 fraseri (*Baker*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea fraseri*.  
 guaraparaensis (*E. Pereira & Leme*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea guaraparaensis*.  
 involucreta (*André*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea involucreta*.  
 kleinii (*Reitz*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 75 (1989); *Aechmea kleinii*.  
 mariae-reginae (*H. Wendland*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea mariae-reginae*.  
 nudicaulis var. aequalis (*L.B. Smith & Reitz*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea nudicaulis* var. aequalis.  
 var. aureo-rosea (*Antoine*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Hoplophytum aureo-roseum*.  
 var. cuspidata (*Baker*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea nudicaulis* var. cuspidata.  
 var. flavomarginata (*E. Pereira*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea nudicaulis* var. flavo-marginata.  
 var. simulans (*E. Pereira*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea nudicaulis* var. simulans.  
 var. tabuleirensis (*Reitz*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea nudicaulis* var. tabuleirensis.  
 ornata (*Baker*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea ornata*.  
 var. hoehneana (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea ornata* var. hoehneana.  
 var. nationalis (*Reitz*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea ornata* var. nationalis.  
 pectinata (*Baker*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea pectinata*.

**POTHUAVA** :-

- pineliana (*Brongniart ex Planchon*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Echinostachys pineliana*.  
 var. minuta (*M.B. Foster*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea pineliana* var. minuta.  
 roberto-anselmii (*E. Pereira & Leme*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea roberto-anselmii*.  
 squarrosa (*Baker*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea squarrosa*.  
 subpetiolata (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea subpetiolata*.  
 tonduzii (*Mez & Pittier ex Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 76 (1989); *Aechmea tonduzii*.  
 triticina (*Mez*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989); *Aechmea triticina*.  
 var. capensis (*L.B. Smith*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989); *Aechmea triticina* var. capensis.  
 vanhouteana (*Van Houte*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989); *Echinostachys vanhouteana*.  
 weberbaueri (*Harms*) *L.B. Smith & W.J. Kress in Phytologia*, 66(1): 77 (1989); *Aechmea weberbaueri*.
- POUROUMA** (Cecropiac.).
- bicolor subsp. chocoana (*Standley*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 106 (1988); *P. chocoana*.  
 subsp. digitata (*Trécul*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 106 (1988); *P. digitata*.  
 subsp. scobina (*Benoist*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 106 (1988); *P. scobina*.  
 subsp. tessmannii (*Mildbraed*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 106 (1988); *P. tessmannii*.  
 guianensis subsp. venezuelensis (*Cuatrecasas*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 106 (1988); *P. venezuelensis*.  
 herrerenensis *C.C. Berg in Candollea*, 44(2): 513 (1989)—Peru.  
 hirsutipetiolata subsp. hispida (*Standley & Cuatrecasas*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 108 (1988); *P. hispida*.  
 melinonii subsp. glabrata *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 108 (1988)—Panama, Colombia.  
 mollis subsp. triloba (*Trécul*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 107 (1988); *P. triloba*.  
 napoensis *C.C. Berg in Brittonia*, 42(1): 63 (1990)—Ecuador.  
 tomentosa subsp. apiculata (*Benoist*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 108 (1988); *P. apiculata*.  
 subsp. essequiboensis (*Standley*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 109 (1988); *P. essequiboensis*.  
 subsp. maroniensis (*Benoist*) *C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 109 (1988); *P. maroniensis*.  
 subsp. persecta (*Standley ex C.C. Berg & E.C.H. van Heusden in Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(2): 108 (1988)—Bolivia, Ecuador, Peru, Brazil.

**POUTERIA** (Sapotac.).

- sect. Aneulucuma (*Radlkofer*) *T.D. Pennington in Fl. Neotrop.*, 52: 492 (1990); *Vitellaria* sect. Aneulucuma.  
 sect. Gayella (*Pierre*) *T.D. Pennington in Fl. Neotrop.*, 52: 519 (1990); gen. *Gayella*.

**POUTERIA** :-

- amapaensis (*Pires & T.D. Pennington in Fl. Neotrop.*, 52: 437 (1990)—Brazil.  
 ambelaniifolia (*Sandwith*) *T.D. Pennington in Fl. Neotrop.*, 52: 362 (1990); *Chrysophyllum ambelaniifolium*.  
 amygdalica (*Pittier*) *T.D. Pennington in Fl. Neotrop.*, 52: 255 (1990); *Sideroxylon amygdalicarpum*.  
 andarahiensis *T.D. Pennington in Fl. Neotrop.*, 52: 269 (1990)—Brazil.  
 anomala (*Pires*) *T.D. Pennington in Fl. Neotrop.*, 52: 344 (1990); *Chrysophyllum anomalum*.  
 anteridata *T.D. Pennington in Fl. Neotrop.*, 52: 322 (1990)—Venezuela.  
 arcuata *T.D. Pennington in Fl. Neotrop.*, 52: 371 (1990), nom. nov.: *Syzygiopsis sericea Cronquist*.  
 atabapoensis (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 304 (1990); *Franchetella atabapoensis*.  
 bangii (*Rusby*) *T.D. Pennington in Fl. Neotrop.*, 52: 288 (1990); *Sideroxylon bangii*.  
 bapeba *T.D. Pennington in Fl. Neotrop.*, 52: 328 (1990)—Brazil.  
 benai (*Aubréville & Pellegrin*) *T.D. Pennington in Fl. Neotrop.*, 52: 274 (1990); *Podoluma benai*.  
 brachyandra (*Aubréville & Pellegrin*) *T.D. Pennington in Fl. Neotrop.*, 52: 404 (1990); *Radlkoferella brachyandra*.  
 bracteata *T.D. Pennington in Fl. Neotrop.*, 52: 260 (1990)—Colombia.  
 brevipetiolata *T.D. Pennington in Fl. Neotrop.*, 52: 468 (1990)—Ecuador.  
 butyrocarpa (*Kuhlmann*) *T.D. Pennington in Fl. Neotrop.*, 52: 501 (1990); *Lucuma butyrocarpa*.  
 canaimaensis *T.D. Pennington in Fl. Neotrop.*, 52: 530 (1990)—Venezuela.  
 chocoensis (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 389 (1990); *Richardella chocoensis*.  
 cicatricata *T.D. Pennington in Fl. Neotrop.*, 52: 431 (1990)—Brazil.  
 collina (*Little*) *T.D. Pennington in Fl. Neotrop.*, 52: 277 (1990); *Chrysophyllum collinum*.  
 crassiflora (*Pires & T.D. Pennington in Fl. Neotrop.*, 52: 329 (1990)—Brazil.  
 cuspidata subsp. dura (*Eyma*) *T.D. Pennington in Fl. Neotrop.*, 52: 352 (1990); *P. dura*.  
 subsp. robusta (*Martius & Eichler*) *T.D. Pennington in Fl. Neotrop.*, 52: 351 (1990); *Sideroxylon robustum*.  
 decorticans *T.D. Pennington in Fl. Neotrop.*, 52: 489 (1990)—Brazil, French Guiana, Venezuela.  
 deliciosa *T.D. Pennington in Fl. Neotrop.*, 52: 446 (1990)—Colombia, French Guiana, Peru.  
 dominicensis subsp. cuprea (*Urban & Ekman*) *T.D. Pennington in Fl. Neotrop.*, 52: 408 (1990); *Lucuma cuprea*.  
 durlandii subsp. pubicarpa *T.D. Pennington in Fl. Neotrop.*, 52: 325 (1990)—Venezuela, Peru.  
 ephedrantha (*A.C. Smith*) *T.D. Pennington in Fl. Neotrop.*, 52: 508 (1990); *Lucuma ephedrantha*.  
 exfoliata *T.D. Pennington in Fl. Neotrop.*, 52: 516 (1990), nom. nov.: *Dipholis parvifolia Standley*.  
 exstaminodia (*Pires & T.D. Pennington in Fl. Neotrop.*, 52: 388 (1990)—Brazil.  
 filiformis *T.D. Pennington in Fl. Neotrop.*, 52: 267 (1990)—Costa Rica.  
 foveolata *T.D. Pennington in Fl. Neotrop.*, 52: 510 (1990)—Costa Rica, Nicaragua.  
 fulva *T.D. Pennington in Fl. Neotrop.*, 52: 313 (1990)—Brazil.  
 furcata *T.D. Pennington in Fl. Neotrop.*, 52: 440 (1990)—Brazil.  
 gabrielensis (*Gilly ex Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 354 (1990); *Neoxythece gabrielensis*.  
 glauca *T.D. Pennington in Fl. Neotrop.*, 52: 263 (1990)—Peru.  
 glomerata subsp. stylosa (*Pierre*) *T.D. Pennington in Fl. Neotrop.*, 52: 420 (1990); *Guapeba stylosa*.  
 gracilis *T.D. Pennington in Fl. Neotrop.*, 52: 265 (1990)—Peru.  
 jariensis (*Pires & T.D. Pennington in Fl. Neotrop.*, 52: 331 (1990)—Brazil, French Guiana.  
 kaieurensis *T.D. Pennington in Fl. Neotrop.*, 52: 358 (1990)—Guyana.

**POUTERIA** :-

- latianthera *T.D. Pennington in Fl. Neotrop.*, 52: 371 (1990)—Brazil.
- longifolia (*Martius* & *Eichler*) *T.D. Pennington in Fl. Neotrop.*, 52: 526 (1990): Chrysophyllum longifolium.
- lucumifolia (*Reissig ex Maximowicz*) *T.D. Pennington in Fl. Neotrop.*, 52: 282 (1990): Ilex lucumifolia.
- macahensis *T.D. Pennington in Fl. Neotrop.*, 52: 321 (1990)—Brazil.
- maguirei (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 448 (1990): Prieurella maguirei.
- manaosensis (*Aubréville* & *Pellegrin*) *T.D. Pennington in Fl. Neotrop.*, 52: 377 (1990): Richardella manaosensis.
- microstrigosa *T.D. Pennington in Fl. Neotrop.*, 52: 278 (1990)—Brazil.
- minima *T.D. Pennington in Fl. Neotrop.*, 52: 285 (1990)—Brazil.
- myrsinoides  
subsp. reticulata (*Baillon*) *P.S. Green in Kew Bull.*, 45(2): 251 (1990): Sideroxylon reticulatum.
- nudipetala *T.D. Pennington in Fl. Neotrop.*, 52: 262 (1990)—Brazil, Peru.
- opposita (*Ducke*) *T.D. Pennington in Fl. Neotrop.*, 52: 361 (1990): Glycoxydon ? oppositum.
- orinocoensis (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 254 (1990): Paralabatia orinocoensis.
- oxypetala *T.D. Pennington in Fl. Neotrop.*, 52: 411 (1990)—Brazil.
- pachycalyx *T.D. Pennington in Fl. Neotrop.*, 52: 409 (1990)—Brazil.
- pachyphylla *T.D. Pennington in Fl. Neotrop.*, 52: 303 (1990)—Brazil.
- pallens *T.D. Pennington in Fl. Neotrop.*, 52: 335 (1990)—Brazil.
- petiolata *T.D. Pennington in Fl. Neotrop.*, 52: 433 (1990)—Brazil.
- pimichinensis *T.D. Pennington in Fl. Neotrop.*, 52: 359 (1990), nom. nov.: Neoxythece maguirei *Aubréville*.
- plicata *T.D. Pennington in Fl. Neotrop.*, 52: 456 (1990)—Venezuela, Peru, Brazil, Bolivia.
- polysepala *T.D. Pennington in Fl. Neotrop.*, 52: 500 (1990), nom. nov.: Calocarpum odoratum *Ducke*.
- procera (*Mart.*) *K. Hammer in R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel*, 2: 1046 (1986): Lucuma procera.
- procera (*Martius*) *T.D. Pennington in Fl. Neotrop.*, 52: 504 (1990), isonym: Lucuma procera.
- puberula *T.D. Pennington in Fl. Neotrop.*, 52: 291 (1990)—Venezuela.
- pubescens (*Aubréville* & *Pellegrin*) *T.D. Pennington in Fl. Neotrop.*, 52: 292 (1990): Franchetella pubescens.
- putamen-ovi *T.D. Pennington in Fl. Neotrop.*, 52: 270 (1990)—Peru, Brazil.
- reticulata  
subsp. surinamensis *T.D. Pennington in Fl. Neotrop.*, 52: 299 (1990)—Guyana, Surinam, Brazil.
- retinervis *T.D. Pennington in Fl. Neotrop.*, 52: 308 (1990)—French Guiana, Brazil.
- rhynchocarpa *T.D. Pennington in Fl. Neotrop.*, 52: 517 (1990)—Mexico.
- rigida  
subsp. tomentosa (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 358 (1990): Neoxythece tomentosa.
- rigidopsis *Monachino ex T.D. Pennington in Fl. Neotrop.*, 52: 355 (1990)—Venezuela.
- rodriguesiana *Pires* & *T.D. Pennington in Fl. Neotrop.*, 52: 379 (1990)—French Guiana, Surinam, Brazil.
- rufotomentosa (*Lundell*) *T.D. Pennington in Fl. Neotrop.*, 52: 322 (1990): Peteniodendron rufotomentosum.
- scrobiculata *Monachino ex T.D. Pennington in Fl. Neotrop.*, 52: 356 (1990)—Venezuela, Brazil.
- sessilis *T.D. Pennington in Fl. Neotrop.*, 52: 327 (1990)—Peru.
- silvestris *T.D. Pennington in Fl. Neotrop.*, 52: 429 (1990)—Costa Rica.
- singularis *T.D. Pennington in Fl. Neotrop.*, 52: 459 (1990)—Brazil, French Guiana.
- sipapoensis *T.D. Pennington in Fl. Neotrop.*, 52: 367 (1990)—Venezuela.
- tenuisepala *Pires* & *T.D. Pennington in Fl. Neotrop.*, 52: 435 (1990)—Brazil, French Guiana.

**POUTERIA** :-

- torta  
subsp. gallifruta (*Cronquist*) *T.D. Pennington in Fl. Neotrop.*, 52: 487 (1990): P. gallifruta.
- subsp. glabra *T.D. Pennington in Fl. Neotrop.*, 52: 484 (1990), without latin descr.—Ecuador, Colombia, Venezuela, Guyana, French Guiana, Peru, Brazil, Bolivia.
- subsp. tuberculata (*Sleumer*) *T.D. Pennington in Fl. Neotrop.*, 52: 483 (1990): Lucuma tuberculata.
- triplarifolia *Allen ex T.D. Pennington in Fl. Neotrop.*, 52: 509 (1990)—Costa Rica.
- venosa  
subsp. amazonica *T.D. Pennington in Fl. Neotrop.*, 52: 399 (1990)—Venezuela, Guyana, Surinam, French Guiana, Brazil.
- vernica *T.D. Pennington in Fl. Neotrop.*, 52: 311 (1990)—Brazil, Peru.
- williamii (*Aubréville* & *Pellegrin*) *T.D. Pennington in Fl. Neotrop.*, 52: 338 (1990): Eremoluma williamii.

**POUZOLZIA** (Urticac.).

- bracteosa *I. Friis in Bol. Soc. Brot.*, 58: 202 (1985)—Zambia.
- matsudae (*Yamamoto*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 479 (1988), as 'matsudai': Memorialis matsudai.
- neurocarpa (*Yamamoto*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 481 (1988): Memorialis neurocarpus.
- pentandra  
var. akoensis (*Yamamoto*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 477 (1988): Memorialis pentandra var. akoensis.
- var. hypericifolia (*Blume*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 3: 476 (1988): P. hypericifolia.
- peteri *I. Friis in Kew Bull.*, 42(3): 666 (1987), nom. nov.: P. cordata *A. Peter*.

**POVEDADAPHNE** W.C. Burger in Brittonia, 40(3): 276 (1988). LAURACEAE.

- quadruporata *W.C. Burger in Brittonia*, 40(3): 277 (1988)—Costa Rica.

**PRADOSIA** (Sapotac.).

- argentea (*Kunth*) *T.D. Pennington in Fl. Neotrop.*, 52: 660 (1990): Nycterisition argenteum.
- beardii (*Monachino*) *T.D. Pennington in Fl. Neotrop.*, 52: 665 (1990): Chrysophyllum beardii.
- brevipes (*Pierre*) *T.D. Pennington in Fl. Neotrop.*, 52: 641 (1990): Ecclinusa brevipes.
- caracasana (*Pittier*) *T.D. Pennington in Fl. Neotrop.*, 52: 668 (1990): Oxythece caracasana.
- cochlearia (*Lecomte*) *T.D. Pennington in Fl. Neotrop.*, 52: 656 (1990): Chrysophyllum cochlearium.
- subsp. praecalta (*Ducke*) *T.D. Pennington in Fl. Neotrop.*, 52: 656 (1990): Glycoxydon praecaltum.
- cuatrecasasii (*Aubréville*) *T.D. Pennington in Fl. Neotrop.*, 52: 663 (1990): Ecclinusa cuatrecasasii.
- glaziovii (*Pierre*) *T.D. Pennington in Fl. Neotrop.*, 52: 643 (1990): Ecclinusa glaziovii.
- granulosa *Pires* & *T.D. Pennington in Fl. Neotrop.*, 52: 645 (1990)—Brazil.
- grisebachii (*Pierre*) *T.D. Pennington in Fl. Neotrop.*, 52: 655 (1990): Ecclinusa grisebachii.
- montana *T.D. Pennington in Fl. Neotrop.*, 52: 661 (1990)—Ecuador.
- ptychandra (*Eyma*) *T.D. Pennington in Fl. Neotrop.*, 52: 648 (1990): Pouteria ptychandra.
- schomburgkiana  
subsp. sericea *T.D. Pennington in Fl. Neotrop.*, 52: 660 (1990)—Venezuela, Brazil.
- surinamensis (*Eyma*) *T.D. Pennington in Fl. Neotrop.*, 52: 652 (1990): Pouteria surinamensis.

**PRANGOS** (Umbellif.).

- herderi  
subsp. xinjiangensis *X.Y. Chen* & *Q.X. Liu in Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 99 (1989)—Xinjiang.
- lachnantha (*Korov.*) *M.G. Pimenov* & *E.V. Klyukov in Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 91(6): 110 (1986): Schrenkia lachnantha.

**PRASOPHYLLUM** (Orchidac.).

- antennatum *M.A. Clements* & *D. Jones in Austral. Orchid Res.*, 1: 110 (1989), nom. nov.: P. gracile *Endl.*
- calicicola *R. Bates in J. Adelaide Bot. Gard.*, 11(2): 179 (1989)—Australia (S. Australia, W. Australia).
- fecundum *R. Bates in J. Adelaide Bot. Gard.*, 11(2): 189 (1989)—Australia (S. Australia).
- litorale *R. Bates in J. Adelaide Bot. Gard.*, 13: 59 (1990)—Australia (Victoria, S. Australia).
- occultans *R. Bates in J. Adelaide Bot. Gard.*, 11(2): 192 (1989)—Australia (S. Australia).
- ringens (*Reichb. f.*) *R. Bates in J. Adelaide Bot. Gard.*, 11(2): 182 (1989): Prasophyllum gracile var. ringens.
- robustum (*Nicholls*) *M.A. Clements* & *D. Jones in Austral. Orchid Res.*, 1: 117 (1989): P. patens var. robustum.

**PRAXELIS** (Compos.).

- sanctopaulensis (*B.L. Robinson*) *R.M. King* & *H. Robinson in Phytologia*, 65(6): 488 (1989): Eupatorium sanctopaulense.

**PREMNA** (Verbenac.).

- hamiltonii  
var. gmelinoides (*Haines*) *H.B. Naithani, Flow. Pl. India, Nepal* & *Bhutan*: 337 (1990): P. flavescens var. gmelinoides.

**PRENANTHES** (Compos.).

- angustiloba *C. Shih in Acta Phytotax. Sin.*, 25(3): 193 (1987)—China.
- chinensis *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 714 (1784)—Japan.†
- debilis *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 714 (1784)—Japan.†
- dentata *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†
- hastata *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†
- humilis *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†
- integra *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 714 (1784)—Japan.†
- leptantha *C. Shih in Acta Phytotax. Sin.*, 25(3): 193 (1987)—China.
- lyrata *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†
- multiflora *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†
- pyramidalis *C. Shih in Acta Phytotax. Sin.*, 25(3): 191 (1987)—China.
- racemiformis *C. Shih in Acta Phytotax. Sin.*, 25(3): 191 (1987)—China.
- spinosa *S. Bowdich in T.E. Bowdich, Exc. Madeira*: 245 (1825); cf. *D.J. Mabberley in Bot. Macaronesica*, 6: 60 (1980)—Cape Verde Is.
- squarrosa *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 715 (1784)—Japan.†

**PRESTOEA** (Palmae).

- brachyclada (*Burret*) *R.G. Bernal, G. Galeano-Garcés* & *A. Henderson in Taxon*, 38(1): 102 (1989): Euterpe brachyclada.
- darienensis *A. Henderson in Brittonia*, 38(3): 266 (1986)—Panama.
- dasystachys (*Burret*) *R.G. Bernal, G. Galeano-Garcés* & *A. Henderson in Taxon*, 38(1): 102 (1989): Euterpe dasystachys.
- humilis *A. Henderson* & *J.A. Steyermark in Brittonia*, 38(4): 311 (1986)—Venezuela.
- integrifolia *G. de Nevers* & *A.J. Henderson in Ann. Missouri Bot. Gard.*, 75(1): 208 (1988)—Panama.
- latisecta (*Burret*) *R.G. Bernal, G. Galeano-Garcés* & *A. Henderson in Taxon*, 38(1): 102 (1989): Euterpe latisecta.
- semispicata *G. de Nevers* & *A.J. Henderson in Ann. Missouri Bot. Gard.*, 75(1): 213 (1988)—Panama.
- simplicifolia *G. Galeano-Garcés in Brittonia*, 38(1): 62 (1986)—Colombia.
- simplicifrons (*Burret*) *A.J. Henderson* & *G. de Nevers in Ann. Missouri Bot. Gard.*, 75(1): 210 (1988): Euterpe simplicifrons.
- trichoclada (*Burret*) *H. Balslev* & *A. Henderson in Principes*, 31(1): 11 (1987): Euterpe trichoclada.

**PRIMULA** (Primulac.).

- sect. Inayatii* (Smith & Fletcher) Y.J. Nasir in *Willdenowia*, 15(2): 480 (1986): P. subsect. *Inayatii*.
- sect. Ranunculoides* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 290, 55 (1990).
- sect. Sibirica* (Smith & Fletcher) Y.J. Nasir in *Willdenowia*, 15(2): 480 (1986): P. subsect. *Sibirica*.
- acaulis*
- subsp. atlantica* (Maire & Wilczek) W. Greuter & Burdet in *Willdenowia*, 19(1): 42 (1989): P. *vulgaris* var. *atlantica*.
- subsp. balearica* (Willk.) W. Greuter & Burdet in *Willdenowia*, 19(1): 42 (1989): P. *vulgaris* var. *balearica*.
- subsp. rubra* (Sm.) W. Greuter & Burdet in *Willdenowia*, 19(1): 42 (1989): P. *acaulis* var. *rubra*.
- advena*
- var. euprepes* (W.W. Sm.) Chen & C.M. Hu in *Fl. Xizangica*, 3: 799 (1986), without basionym ref.: P. *maximowiczii* var. *euprepes*.
- anvilensis* S. Kelso in *Syst. Bot.*, 12(1): 10 (1987)—Alaska.
- baokongensis* Chen & C.M. Hu ex J.X. Yang in *Fl. Tsinlingensis*, 1(4): 394, 39 (1983)—China.
- calliantha*
- subsp. mishmiensis* (Ward) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 164 (1990): P. *mishmiensis*.
- divaricata* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 289, 6 (1990)—China.
- dryadifolia*
- subsp. chlorodryas* (W.W. Smith) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 247 (1990): P. *chlorodryas*.
- subsp. jonardunii* (W.W. Smith) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 246 (1990): P. *jonardunii*.
- elongata*
- var. barnardoana* (W.W. Smith & Ward) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 166 (1990): P. *barnardoana*.
- epilithica* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 289, 6 (1990)—China.
- exscapa* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 293, 109 (1990)—China.
- falcifolia*
- var. farinifera* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 179 (1990)—Xizang.
- fangii* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 204 (1990)—China.
- fangingensis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 194 (1990)—China.
- farreriana* I.B. Balfour in *Notes Roy. Bot. Gard. Edinburgh*, 9: 167 (1916)—China.†
- glabra*
- subsp. genestieriana* (Hand.-Mazz.) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 224 (1990): P. *genestieriana*.
- homogama* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 295, 240 (1990)—China.
- hookeri*
- var. violacea* (W.W. Smith) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 97 (1990): P. *vernica* var. *violacea*.
- huashanensis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 198 (1990)—China.
- intanoensis* T. Yamazaki in *J. Jap. Bot.*, 63(6): 211 (1988)—Thailand.
- interjacens*
- var. epilosa* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 290, 12 (1990)—China.
- kialensis*
- subsp. brevitalia* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 295, 210 (1990), as 'breviloba'—China.
- kweichouensis*
- subsp. venulosa* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 290, 63 (1990)—China.
- lactucoides* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 293, 169 (1990)—China.
- larsenii* C.M. Hu in *Nordic J. Bot.*, 10(4): 399 (1990)—Thailand.
- levicalyx* C.M. Hu & Z.R. Xu in *Acta Phytotax. Sin.*, 26(4): 309 (1988)—China.
- lithophila* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 290, 12 (1990)—China.

**PRIMULA** :-

- meiotera* (W.W. Smith & Fletcher) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 190 (1990): P. *rhodochroa* var. *meiotera*.
- monticola* (Hand.-Mazz.) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 251 (1990): P. *polyphylla* var. *monticola*.
- moupinensis*
- subsp. barkamensis* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 291, 81 (1990)—China.
- obconica*
- subsp. nigroglandulosa* (W.W. Smith & Fletcher) C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 22 (1990): P. *obconica* var. *nigroglandulosa*.
- ovalifolia*
- subsp. tardiflora* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 292, 101 (1990)—China.
- pauliana*
- var. huiliensis* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 290, 27 (1990)—China.
- petrocallis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 289, 5 (1990)—China.
- var. glabrata* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 289, 6 (1990)—China.
- praeflorens* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 293, 111 (1990)—China.
- prenantha*
- subsp. morsheadiana* (Ward) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 126 (1990): P. *morsheadiana*.
- prevernalis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 291, 80 (1990)—China.
- qinghaiensis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 200 (1990)—China.
- rhodochroa*
- var. geraldinae* (W.W. Smith) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 189 (1990): P. *geraldinae*.
- rubifolia* C.M. Hu in *Acta Phytotax. Sin.*, 26(4): 307 (1988)—China.
- socialis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 295, 209 (1990)—China.
- sonchifolia*
- subsp. emeiensis* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 292, 96 (1990)—China.
- soongii* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 293, 167 (1990)—China.
- strumosa*
- var. tenuipes* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 292, 87 (1990)—Xizang.
- subansirica* G.D. Pal in *J. Bombay Nat. Hist. Soc.*, 82(3): 617 (1985 publ. 1986)—India.
- taliensis*
- subsp. procera* C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 291, 76 (1990)—China.
- tenuipes* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 294, 201 (1990)—China.
- tridentifera* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 292, 108 (1990)—China.
- vaginata*
- subsp. eucyclia* (W.W. Smith & Forr.) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 36 (1990): P. *eucyclia*.
- subsp. normaniana* (Ward) F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 36 (1990): P. *normaniana*.
- wangii* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 291, 64 (1990)—China.
- wenshanensis* F.W. Chen & C.M. Hu in *Fl. Reipubl. Popul. Sin.*, 59(2): 291, 84 (1990)—China.

**PRINSEPIA** (Rosac.).

- scandens*
- f. nanhutashanense* (Ying) S.S. Ying, *Coloured Illust. Fl. Taiwan*, 1: 466 (1985): P. *nanhutashanense*.

**PRIONOSTEMMA** (Celastrac.).

- delagoensis*
- var. ritschardii* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 232 (1986): *Loeseneriella ritschardii*.

**PRIONOTRICHON** (Crucif.).

- flexuosum* (Rech. f.) V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 24: 99 (1987): *Koeiea flexuosa*.
- ghoranum* (Rech. f.) V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 24: 97 (1987): *Koeiea ghorana*.

**PRIONOTRICHON** :-

- kamelinii* V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 24: 98 (1987)—Mongolia.

**PRISMATOMERIS** (Rubiace.).

- beccariana* (Baillon) J.T. Johansson in *Op. Bot.*, 94: 57 (1987): *Morinda beccariana*.
- connata* Y.Z. Ruan in *Acta Phytotax. Sin.*, 26(6): 447 (1988)—China.
- subsp. hainanensis* Y.Z. Ruan in *Acta Phytotax. Sin.*, 26(6): 448 (1988)—Hainan.
- fragrans*
- subsp. andamanica* (Ridley) J.T. Johansson in *Op. Bot.*, 94: 45 (1987): P. *andamanica*.
- kinabaluensis* J.T. Johansson in *Op. Bot.*, 94: 40 (1987)—Borneo (Sabah).
- robusta* J.T. Johansson in *Op. Bot.*, 94: 35 (1987)—Borneo (Sarawak).
- tetrandra*
- subsp. malayana* (Ridley) J.T. Johansson in *Op. Bot.*, 94: 29 (1987): P. *malayana*.
- subsp. multiflora* (Ridley) Y.Z. Ruan in *Acta Phytotax. Sin.*, 26(6): 447 (1988): P. *multiflora*.

**PRISTIGLOTTIS** (Orchidac.).

- degeneri* (L.O. Williams) P.J. Kores in *Allertonia*, 5(1): 29 (1989): *Odontochilus degeneri*.
- longiflora* (Reichenb. f.) P.J. Kores in *Allertonia*, 5(1): 28 (1989): *Anecochilus longiflorus*.

**PRISTIMERA** (Celastrac.).

- andongensis*
- var. cinerascens* N. Hallé in *Fl. Gabon*, 29: 211 (1986)—Cameroun, Gabon, Zaïre.
- var. volkensii* (Loesener) N. Hallé in *Fl. Gabon*, 29: 211 (1986): *Hippocratea volkensii*.
- biholongii* N. Hallé in *Fl. Gabon*, 29: 206 (1986)—Cameroun.
- luteoviridis*
- var. kribiana* N. Hallé in *Fl. Gabon*, 29: 202 (1986)—Cameroun.

**PRITCHARDIA** (Palmae).

- limahuliensis* H. St. John in *Phytologia*, 64(3): 177 (1988)—Hawaiian Is.
- waialealeana* R.W. Read in *Principes*, 32(4): 135 (1988)—Hawaiian Is.

**PRITZELAGO** (Crucif.).

- alpina*
- subsp. affinis* (Gren. ex F. Schultz) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Hutchinsia affinis*.
- subsp. auerswaldii* (Willkomm) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(3): 145 (1984 publ. 1985): *Hutchinsia auerswaldii*.
- subsp. font-queri* (Sauvage) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(3): 145 (1984 publ. 1985): *Hutchinsia font-queri*.
- subsp. polatschekii* (Lainz) J. Soják in *Čas. Nár. Muz. (Prague)*, 153(3): 145 (1984 publ. 1985): *Hutchinsia alpina* subsp. *polatschekii*.

**PRIVA** (Verbenac.).

- mittchellii* Endl., *Cat. Horti Vindob.*, 2: 47 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984)—Locality not stated.
- roxburghii* Endl., *Cat. Horti Vindob.*, 2: 47 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984)—Locality not stated.
- tenax* B. Verdcourt in *Kew Bull.*, 43(4): 672 (1988)—Ethiopia, Yemen, Somali Republic, Sudan, Kenya.

**PROATRIPLEX** (Weber) H.C. Stutz & G.L. Chu in

- Amer. J. Bot.*, 77(3): 364 (1990): *Atriplex* subgen. *Proatriplex* (Chenopodiace.).
- pleiantha* (Weber) H.C. Stutz & G.L. Chu in *Amer. J. Bot.*, 77(3): 366 (1990): *Atriplex pleiantha*.

**PROCKIA** (Tiliac.).

- pentamera* A.H. Gentry in *Ann. Missouri Bot. Gard.*, 75(4): 1430 (1988 publ. 1989)—Peru, Ecuador.

**PROCRIS** (Urticac.).

- decurrens* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasias: Dicot.*, 2: 54 (1988): *Elatostema decurrens*.



**PROCRIS** :-

frutescens

*var. caudatum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 54 (1988): Basionym not stated.

*var. sculptum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 54 (1988): Basionym not stated.

*grueningii* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 55 (1988): *Elatostema grueningii*.

*var. krausei* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 55 (1988): Basionym not stated.

*pedunculatum* (Forst.) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 55 (1988), without basionym ref.: *Elatostema pedunculatum*.

*var. angustum* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 55 (1988), specific name not validly publ.: Basionym not stated.

*rectangulare* (H. Winkler) R.J. Johns, *Flow. Pl. Papuasie: Dicot.*, 2: 54 (1988): *Elatostema rectangulare*.

**PROLONGOA** (Compos.).

*macrocarpa* (Cosson & Kralik) S.A. Alavi in *Fl. Libya*, 107: 171 (1983): *Pyrethrum macrocarpum*.

**PROSOPIS** (Legumin.).

alpataco

*var. lamaro* F.A. Roig in *Parodiana*, 5(1): 56 (1987 publ. 1988)—Argentina.

*f. rubra* F.A. Roig in *Parodiana*, 5(1): 56 (1987 publ. 1988)—Argentina.

flexuosa

*var. depressa* F.A. Roig in *Parodiana*, 5(1): 53 (1987 publ. 1988), nom. nov.: *P. juliflora* f. *fruticosa* Hauman.

*var. fruticosa* (Meyen) F.A. Roig in *Parodiana*, 5(1): 53 (1987 publ. 1988): *P. fruticosa*.

koelziana

*var. puberula* J. Léonard in *Bull. Jard. Bot. Nation. Belg.*, 56(3-4): 485 (1986)—Saudi Arabia, South Yemen.

**PROSTANTHERA** (Labiata).

*albiflora* B.J. Conn in *Nuytsia*, 6(3): 401 (1988)—Australia (W. Australia).

*althoferi* B.J. Conn in *Nuytsia*, 6(3): 374 (1988)—Australia (W. Australia, S. Australia, N. Terr.).

*subsp. longifolia* B.J. Conn in *Nuytsia*, 6(3): 376 (1988)—Australia (S. Australia, N. Terr.).

*ammophila* B.J. Conn in *Nuytsia*, 6(3): 380 (1988)—Australia (S. Australia).

*carrickiana* B.J. Conn in *Muelleria*, 6(5): 371 (1987)—Australia (W. Australia).

*centralis* B.J. Conn in *Nuytsia*, 6(3): 382 (1988)—Australia (N. Terr., W. Australia).

*nanophylla* B.J. Conn in *Nuytsia*, 6(3): 394 (1988)—Australia (W. Australia).

*petrophila* B.J. Conn in *Nuytsia*, 6(3): 391 (1988)—Australia (W. Australia).

*sericea* (J.M. Black) B.J. Conn in *Nuytsia*, 6(3): 364 (1988): *P. baxteri* var. *sericea*.

*splendens* B.J. Conn in *Nuytsia*, 6(3): 388 (1988)—Australia (W. Australia).

*verticillaris* B.J. Conn in *Nuytsia*, 6(3): 355 (1988)—Australia (W. Australia).

**PROTASPARAGUS** (Asparagac.).

*humilis* (Engl.) B. Mathew in *Kew Bull.*, 44(1): 181 (1989): *Asparagus humilis*.

*longicladus* (N.E. Br.) B. Mathew in *Kew Bull.*, 44(1): 181 (1989): *Asparagus longicladus*.

*virgatus* (Baker) A.A. Obermeyer in *Fl. Australia*, 45: 494 (1987): *Asparagus virgatus*.

**PROTEA** (Proteac.).

angolensis

*var. roseola* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 823 (1987)—Zambia.

argyrea

*subsp. zambiana* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 834 (1987)—Zambia.

baumii

*subsp. robusta* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 839 (1987)—Zambia, Tanzania, Zaire, Angola.

**PROTEA** :-

caffra

*subsp. gazensis* (Beard) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 830 (1987): *P. gazensis*.

*subsp. kilimandscharica* (Engl.) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 830 (1987): *P. kilimandscharica*.

*subsp. mafingensis* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 830 (1987)—Zambia, Malawi.

*subsp. nyasae* (Rendle) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 830 (1987): *P. nyasae*.

heckmanniana

*subsp. angustifolia* (Hauman) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 844 (1987): *P. heckmanniana* var. *angustifolia*.

kibarensis

*subsp. cuspidata* (Beard) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 845 (1987): *P. cuspidata*.

madiensis

*subsp. occidentalis* (Beard) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 819 (1987): *P. occidentalis*.

*matonchiana* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 846 (1987)—Zambia.

micans

*subsp. lemairei* (De Wild.) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 842 (1987): *P. lemairei*.

*subsp. makutuensis* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 843 (1987)—Zambia.

*subsp. suffruticosa* (Beard) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 843 (1987): *P. suffruticosa*.

*subsp. trichophylla* (Engl. & Gilg) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 842 (1987): *P. trichophylla*.

*namaquana* J.P. Rourke in *S. Afr. J. Bot.*, 56(2): 261 (1990)—South Africa (Cape Province).

paludosa

*subsp. kolweziensis* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 850 (1987)—Zaire.

*subsp. secundifolia* (Hauman) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 849 (1987): *P. secundifolia*.

petiolaris

*subsp. elegans* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 825 (1987)—Tanzania, Zaire, Zambia, Malawi, Mozambique, Zimbabwe.

poggei

*subsp. haemantha* (Engl. & Gilg) S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 851 (1987): *P. haemantha*.

*subsp. heliophila* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 852 (1987)—Angola.

*subsp. mwinilungensis* S.M. Chisumpa & R.K. Brummitt in *Kew Bull.*, 42(4): 852 (1987)—Zambia.

**PROTIUM** (Burserac.).

*nitidifolium* (Cuatrec.) D.C. Daly in *Brittonia*, 41(1): 25 (1989): *Paraprotium nitidifolium*.

*pilosum* (Cuatrec.) D.C. Daly in *Brittonia*, 41(1): 24 (1989): *Tetragastris pilosa*.

*vestitum* (Cuatrec.) D.C. Daly in *Brittonia*, 41(1): 24 (1989): *Paraprotium vestitum*.

**PRUNUS** (Rosac.).

apetala

*subsp. pilosa* (Koidz.) H. Ohba in *J. Jap. Bot.*, 64(11): 327 (1989): *P. cerasoides* var. *pilosa*.

*aspera* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

cerasifera

*var. georgica* G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 14 (1989), contrary to Art. 9.5 ICBN (1988)—Cultivation.

*var. iranica* (Luneva & Erem.) G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 13 (1989): *P. cerasifera* subsp. *iranica*.

**PRUNUS** :-

*subsp. macrocarpa* G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 12 (1989), contrary to Art. 9.5 ICBN (1988)—Cultivation.

*var. macrocarpa* G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 13 (1989), contrary to Art. 9.5 ICBN (1988)—Cultivation.

*var. nairica* G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 13 (1989), contrary to Art. 9.5 ICBN (1988)—Cultivation.

*var. taurica* G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 14 (1989), contrary to Art. 9.5 ICBN (1988)—Cultivation.

*var. ursina* (Kotschy) G.V. Eremine & V.M. Garkovenko in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 123: 12 (1989): *P. ursina*.

*cercocarpifolia* J.A. Villarreal Q. in *Sida*, 13(3): 273 (1989)—Mexico.

cornuta

*var. integrifolia* S.C. Ghora & G. Panigrahi in *J. Econ. Taxon. Bot.*, 7(1): 228 (1985)—India.

*elliptica* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

*ferganensis* (Kost. & Rjab.) Y.Y. Yao in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 158 (1987), without basionym ref.: Basionym not stated.

*fortunensis* G. McPherson in *Ann. Missouri Bot. Gard.*, 75(1): 373 (1988)—Panama.

gentryi

*f. flavipulpa* J.E. Laferrière in *Phytologia*, 65(6): 482 (1989)—Mexico.

*glandulosa* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

*glauciphylla* S.C. Ghora & G. Panigrahi in *J. Econ. Taxon. Bot.*, 7(1): 228 (1985)—India, Sikkim.

*incisa* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

*japonica* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

*ledebouriana* (Schlecht.) Y.Y. Yao in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 161 (1987): *Amygdalus ledebouriana*.

*linearipetalus* Y.N. Lee in *Korean J. Bot.*, 25(4): 176 (1982)—Korea.

mira

*subsp. nepalensis* (Serafimov) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 142 (1979): *Persica mira* subsp. *nepalensis*.

*paniculata* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 463 (1784)—Japan.†

pubigera

*var. ohwii* (Kanehira & Hatusima ex Kanehira) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 480 (1985): *P. ohwii*.

salicina

*var. cordata* Y. He & J.Y. Zhang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 71 (1989)—China.

sibirica

*var. davidiana* (Carr.) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 308 (1986): *Armeniaca davidiana*.

spinosa

*f. maritima* R. Corillon, C. Figureau & M. Godeau in *Bull. Soc. Sci. Nat. Ouest France*, n.s., 9(4): 154 (1987), without type—France.

*tomentosa* C.P. Thunberg ex A. Murray in *Linnaeus*, *Syst. Veg.*, ed. 14: 464 (1784)—Japan.†

triloba

*f. petzoldii* (Koch) Q.L. Wang in *Fl. Liaoningica*, *chiefed. S.X. Li*, 1: 829 (1988): *P. petzoldii*.

*wattii* S.C. Ghora & G. Panigrahi in *J. Econ. Taxon. Bot.*, 7(1): 231 (1985)—India, Sikkim, Xizang.

**PSACALIUM** (Compos.).

*guerreroanum* B.L. Turner in *Phytologia*, 67(5): 403 (1989)—Mexico.

*perezii* B.L. Turner in *Phytologia*, 67(5): 419 (1989)—Mexico.

*sharpii* B.L. Turner in *Phytologia*, 68(1): 79 (1990)—Mexico.

**PSAMMISIA** (Ericac.).

*amazonica* J.L. Luteyn in *Op. Bot.*, 92: 117 (1987)—Peru.

**PSAMMISIA** :-

- aurantiaca *J.L. Luteyn in Op. Bot.*, 92: 121 (1987)—Ecuador.  
 incana *J.L. Luteyn in Op. Bot.*, 92: 118 (1987)—Ecuador.  
 pterocalyx *J.L. Luteyn in Op. Bot.*, 92: 117 (1987)—Colombia.

**PSAMMOGETON** (Umbellif.).

- lamondiae *L. Engstrand & K.H. Rechinger in Fl. Iran.*, 162: 150 (1987)—Pakistan.  
 ranunculifolius (Boiss.) *L. Engstrand in Fl. Iran.*, 162: 149 (1987); *Pimpinella ranunculifolia*.  
 registanicus *K.H. Rechinger in Fl. Iran.*, 162: 148 (1987)—Afghanistan.  
 ternatus (*Rech. f.*) *L. Engstrand in Fl. Iran.*, 162: 151 (1987); *Pimpinella ternata*.

**PSAMMOPYRUM** A. Löve in Veröff. Geobot. Inst.

- Rübel, 87: 50 (1986). GRAMINEAE.  
 athericum (*Link*) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 50 (1986); *Triticum athericum*.  
 fontqueri (*Melderis*) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 50 (1986); *Elymus pungens* subsp. fontqueri.  
 pungens (*Pers.*) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 50 (1986); *Triticum pungens*.  
 subsp. campestre (*Gren. & Godron*) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 50 (1986); *Agropyron campestre*.

**PSATHYROSTACHYS** (Gramin.).

- caespitosa (*Sukaczew*) G.A. Peshkova in *Fl. Sibir. (Poaceae)*, 2: 53 (1990); *Elymus caespitosa*.  
 stoloniformis C. Baden in *Nordic J. Bot.*, 9(5): 449 (1990)—China.

**PSEPELLUS** (Compos.).

- ser. Absinthifolii A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 44 (1983).  
 ser. Andini A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 33 (1983).  
 ser. Boissierani A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 28 (1983).  
 ser. Daghestanici A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 38 (1983).  
 ser. Dealbati A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 40 (1983).  
 ser. Galushkoani A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 31 (1983).  
 ser. Paucilobi A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 47 (1983).  
 ser. Prokhanoviani A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 35 (1983).  
 ser. Salviaefolii A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 48 (1983).  
 ser. Schistosi A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 24 (1983).  
 circassicus (*Albov*) A.I. Galushko, *Fl. Severn. Kavkaza*, 3: 229 (1980); *P. hypoleucus* var. circassicus.  
 hymenolepis  
 var. subintegra (*Trautv.*) A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 28 (1983); *Centaurea hymenolepis* var. subintegra.  
 schistosus (*Sosn.*) A.A. Alieva in A.I. Galushko (ed.), *Fl. Severn. Kavkaza i Voprosy ee istorii*: 24 (1983); *Centaurea schistosa*.

**PSEUDABUTILON** (Malvac.).

- cinereum (*Griseb.*) A. Krapovichkas in *Bol. Soc. Argent. Bot.*, 24(1-2): 206 (1985); *Abutilon cinereum*.

**PSEUDAIDIA** D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(3): 286 (1986). RUBIACEAE.

- speciosa (*Bedd.*) D.D. Tirvengadam in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 8(3): 287 (1986); *Griffithia speciosa*.

**PSEUDANTHISTIRIA** (Gramin.).

- emeinica S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 45 (1988)—China.

**PSEUDARRHENATHERUM** (Gramin.).

- setifolia (*Brot.*) B.E. Smythies in *Englera*, 3(3): 645 (1986); *Avena setifolia*.

- ×PSEUDELYMUS M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 570 (1983). GRAMINEAE. (*Elymus* × *Pseudoroegneria*).  
 saxicola (*Scribner & J.G. Smith*) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 570 (1983); *Elymus saxicolus*.

**PSEUDERANTHEMUM** (Acanthac.).

- lapathifolium (*Vahl*) B. Hansen in *Nordic J. Bot.*, 9(2): 214 (1989); *Justicia lapathifolia*.  
 latifolium (*Vahl*) B. Hansen in *Nordic J. Bot.*, 9(2): 213 (1989); *Justicia latifolia*.

**PSEUDOACANTHOCEREUS** (Cactac.).

- boreominarum C.T. Rizzini & A. de Mattos-Filho in *Rev. Brasil. Biol.*, 46(2): 327 (1986)—Brazil.

**PSEUDOCADISCUS** S. Lisowski in Bull. Jard. Bot. Nation. Belg., 57(3-4): 467 (1987). COMPOSITAE.

- zairensis S. Lisowski in Bull. Jard. Bot. Nation. Belg., 57(3-4): 467 (1987)—Zaire.

**PSEUDODICHANTHIUM** (Gramin.).

- cookei (*Stapf ex Cooke*) M.R. Almeida in *J. Bombay Nat. Hist. Soc.*, 84(2): 388 (1987 publ. 1988), without full basionym ref.: *Andropogon cookei*.

**PSEUDODISSOCHAETA** (Melastomatac.).

- raphioides C. Hansen in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(3): 280 (1989 publ. 1990)—Laos.

**PSEUDOFUMARIA** (Papaverac.).

- alba (*Miller*) M. Lidén in *Op. Bot.*, 88: 32 (1986); *Fumaria alba*.  
 subsp. acaulis (*Wulfen*) M. Lidén in *Op. Bot.*, 88: 32 (1986); *Fumaria acaulis*.  
 subsp. leiosperma (*Conrath*) M. Lidén in *Op. Bot.*, 88: 32 (1986); *Corydalis leiosperma*.

**PSEUDOGOODYERA** (Orchidac.).

- gonzalezii (L.O. Wms.) P. Burns-Balogh in *Orquídea (México)*, 10(1): 92 (1986); *Spiranthes gonzalezii*.

**PSEUDOGYNOXYS** (Compos.).

- chenopodioides  
 var. cummingii (*Benth. ex Oerst.*) B.L. Turner in *Phytologia*, 69(1): 17 (1990); *Gynoxys cummingii*.

**PSEUDOJACOBAEA** (Hook. f.) R. Mathur in R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.: 59 (1988); Senecio sect. Pseudojacobaea (Compos.).

- lavandulaefolius (DC.) R. Mathur in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 59 (1988); *Senecio lavandulaefolius*.

**PSEUDOLIGANDRA** M.O. Dillon & A. Sagástegui

- Alva in *Taxon*, 39(1): 127 (1990). COMPOSITAE.  
 chrysocoma (*Wedd.*) M.O. Dillon & A. Sagástegui *Alva* in *Taxon*, 39(1): 127 (1990); *Oligandra chrysocoma*.

**PSEUDOLYSIMACHION** (Scrophulariac.).

- spicatum  
 subsp. bashkiriense (*Tzvel.*) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 21 (1983); *Veronica spicata* subsp. bashkiriensis.  
 subsp. klokovii (*Tzvel.*) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 21 (1983); *Veronica spicata* subsp. klokovii.  
 subsp. maoticum (*Klok.*) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 21 (1983); *Veronica maotica*.  
 subsp. petschoricum (*Tzvel.*) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 21 (1983); *Veronica spicata* subsp. petschorica.  
 subsp. transcaasicum (*Bordz.*) É.Ts. Gabriélyan in *Fl. Armenii*, 8: 259 (1987); *Veronica spicata* subsp. transcaasica.  
 viscosulum (*Klok.*) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 21 (1983); *Veronica viscosa*.

**PSEUDOMERTENSIA** (Boraginac.).

- rosulata (*Ovchinnikov & Chukavina*) P.N. Ovchinnikov & A.P. Chukavina in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 2(79): 104 (1980); *Scapicephalus rosulatus*.

**PSEUDOPLANTAGO** (Amaranthac.).

- bisteriliflora C.C. Townsend in *Kew Bull.*, 43(1): 110 (1988)—Venezuela.

**PSEUDOROEGNERIA** (Gramin.).

- libanotica (*Hackel*) D.R. Dewey in *Gene Manipulat. in Pl. Improv. (ed. J.P. Gustafson)*: 272 (1984); *Agropyron libanoticum*.

**PSEUDOSAGOTIA** R. de S. Secco in Bol. Mus. Paraense Emilio Goeldi, Bot., 2(1): 23 (1985). EUPHORBIACEAE.

- brevipetiolata R. de S. Secco in Bol. Mus. Paraense Emilio Goeldi, Bot., 2(1): 24 (1985)—Venezuela.

**PSEUDOSASA** (Gramin.).

- altiligulata T.H. Wen in *J. Bamboo Res.*, 8(1): 18 (1989)—China.  
 multifloscula (W.T. Lin) W.T. Lin in *Guihaia*, 10(1): 18 (1990); *Arundinaria multifloscula*.  
 vicinia (*Keng*) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990); *Arundinaria vicinia*.

**PSEUDOSSEDUM** (Crassulac.).

- sect. Longidentata A.V. Palanov in *Bot. Zhurn.*, 73(10): 1472 (1988).  
 kamelinii A.V. Palanov in *Bot. Zhurn.*, 73(5): 717 (1988)—U.S.S.R. (Middle Asia).

**PSEUDOSTELLARIA** (Caryophyllac.).

- helanshanensis W.Z. Di & Y. Ren in *Acta Phytotax. Sin.*, 25(6): 478 (1987)—China.

**PSEUDOTRIMEZIA** (Iridac.).

- cathartica (Kl.) P. Ravenna in *Onira, Bot. Leaflet*, 1(2): 23 (1988); *Lansbergia cathartica*.  
 concava P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 49 (1988)—Brazil.  
 subsp. clinostyla P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 50 (1988)—Brazil.  
 elegans P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 48 (1988)—Brazil.  
 planifolia P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 51 (1988)—Brazil.  
 setacea P. Ravenna in *Onira, Bot. Leaflet*, 1(2): 22 (1988)—Brazil.  
 sublateralis P. Ravenna in *Onira, Bot. Leaflet*, 1(2): 22 (1988)—Brazil.  
 subtilis P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 51 (1988), nom. nov.: *Lansbergia setacea Klatt*.  
 xyridea P. Ravenna in *Onira, Bot. Leaflet*, 1(7): 50 (1988)—Brazil.

**PSEUDOTSUGA** (Pinac.).

- menziesii  
 var. flahaultii (*Flous*) J. Silba in *Phytologia*, 68(1): 70 (1990); *P. flahaultii*.  
 subsp. glaucescens (*Schwerin*) P.D. Sell in *Watsonia*, 18(1): 92 (1990); *P. taxifolia* subsp. glaucescens.  
 shaanxiensis S.Z. Qu & K.Y. Wang in *Acta Bot. Bor.-Occid. Sin.*, 8(2): 129 (1988)—China.  
 sinensis  
 var. brevifolia (*Cheng & Fu*) Farjon & J. Silba in *Phytologia*, 68(1): 71 (1990); *P. brevifolia*.  
 var. forrestii (*Craib*) J. Silba in *Phytologia*, 68(1): 72 (1990); *P. forrestii*.  
 var. gaussenii (*Flous*) J. Silba in *Phytologia*, 68(1): 71 (1990); *P. gaussenii*.  
 xichangensis C.T. Kuan & L.J. Zhou in *Fl. Sichuanica*, 2: 54 (1983)—China.

**PSEUDOVANILLA** L.A. Garay in Bot. Mus. Leaflet.

- Harvard Univ., 30(4): 234 (1986). ORCHIDACEAE.  
 affinis (J.J. Sm.) L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 235 (1986); *Galeola affinis*.  
 anomala (*Ames & L.O. Wms.*) L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 235 (1986); *Vanilla anomala*.  
 foliata (F. Muell.) L.A. Garay in Bot. Mus. Leaflet. Harvard Univ., 30(4): 235 (1986); *Ledgeria foliata*.

**PSEUDOVANILLA** :—

- gracilis* (Schltr.) L.A. Garay in *Bot. Mus. Leaflet. Harvard Univ.*, 30(4): 235 (1986): Galeola gracilis.  
*philippinensis* (Ams) L.A. Garay in *Bot. Mus. Leaflet. Harvard Univ.*, 30(4): 236 (1986): Galeola philippinensis.  
*ponapensis* (Kaneh. & Yamam.) L.A. Garay in *Bot. Mus. Leaflet. Harvard Univ.*, 30(4): 236 (1986): Vanilla ponapensis.  
*ternatensis* (J.F. Sm.) L.A. Garay in *Bot. Mus. Leaflet. Harvard Univ.*, 30(4): 236 (1986): Galeola ternatensis.  
*vanilloides* (Schltr.) L.A. Garay in *Bot. Mus. Leaflet. Harvard Univ.*, 30(4): 236 (1986): Galeola vanilloides.

**PSEUDOXANDRA** (Annonac.).

- bahiensis* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 265 (1986)—Brazil.  
*cuspidata* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 267 (1986)—French Guiana, Brazil.  
*pacifica* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 270 (1986)—Colombia.  
*sclerocarpa* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 271 (1986)—Colombia.

**PSEUDOXYPHENANTHERA** T.R. Soderstrom & R.P. Ellis in *Smithsonian Contrib. Bot.*, 72: 52 (1988). GRAMINEAE.

- monadelphae* (Thwaites) T.R. Soderstrom & R.P. Ellis in *Smithsonian Contrib. Bot.*, 72: 52 (1988): Dendrocalamus monadelphus.

**PSEUDUVARIA** (Annonac.).

- froggattii* (F. Muell.) L.W. Jessup in *Austrobaileya*, 2(3): 227 (1986): Mitrephora froggattii.  
*hylandii* L.W. Jessup in *Austrobaileya*, 2(4): 308 (1987)—Australia (Queensland).  
*mulgraveana* L.W. Jessup in *Austrobaileya*, 2(4): 310 (1987)—Australia (Queensland).  
*var. glabrescens* L.W. Jessup in *Austrobaileya*, 2(4): 312 (1987)—Australia (Queensland).  
*villosa* L.W. Jessup in *Austrobaileya*, 2(4): 312 (1987)—Australia (Queensland).

**PSIADIA** (Compos.).

- ceylanica*  
*var. beddomei* (Gamble) V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 46 (1987): Microglossa zeylanica var. beddomei.

**PSIDIUM** (Myrtac.).

- acutangulum*  
*var. oblongata* J.R. Mattos in *Loefgrenia*, 94: 12 (1989)—Brazil.  
*canum* J.R. Mattos in *Loefgrenia*, 94: 11 (1989)—Brazil.  
*hagelundianum* J.R. Mattos in *Loefgrenia*, 94: 11 (1989)—Brazil.  
*parvifolium* (Griseb.) Griseb., *Cat. Pl. Cub.*: 285 (1866): cf. D.J. Mabberley in *Taxon*, 30(1): 12 (1981): P. cordatum var. parvifolium.  
*subrostrifolium* J.R. Mattos in *Loefgrenia*, 90: 3 (1986), as 'sub-rostrifolium'—Brazil.  
*turbinatum* J.R. Mattos in *Loefgrenia*, 94: 12 (1989)—Brazil.  
*wrightii* D. Don ex W. Wright in *Mitchell, Memoir W. Wright*: 278 (1828); cf. D.J. Mabberley in *Taxon*, 30(1): 12 (1981)—Locality not stated.

**PSILANTHUS** (Rubiace.).

- subgen. Afrocoffea* (Moens) D.M. Bridson in *Kew Bull.*, 42(2): 453 (1987): Coffea subgen. Afrocoffea.  
*lebrunianus* (Germain & Kesler) Leroy ex D.M. Bridson in *Kew Bull.*, 42(2): 456 (1987): Coffea lebruniana.

**PSILOSTROPHE** (Compos.).

- gnaphalodes*  
*var. mexicana* (R.C. Brown) B.L. Turner in *Phytologia*, 65(3): 234 (1988): P. mexicana.  
*tagetina*  
*var. cerifera* (A. Nels.) B.L. Turner in *Phytologia*, 65(3): 234 (1988): P. cerifera var. cerifera.

**PSILOTRICHUM** (Amaranthac.).

- ferrugineum*  
*var. ximengense* Y.Y. Qian in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 147 (1988)—China.  
*lanatum* C.C. Townsend in *Kew Bull.*, 45(4): 661 (1990)—Somali Republic.  
*leptostachys* C.C. Townsend in *Kew Bull.*, 45(4): 661 (1990)—Somali Republic.  
*stenanthum* C.C. Townsend in *Kew Bull.*, 45(4): 663 (1990)—Somali Republic.

**PSITTACANTHUS** (Loranthac.).

- angustifolius* J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 523 (1987)—Nicaragua.  
*barlowii* J. Kuijt in *Fl. Ecuador*, 24(32C): 185 (1986)—Ecuador.  
*chiriquianus* J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 115 (1990)—Panama.  
*costaricensis* J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 116 (1990)—Costa Rica.  
*gigas* J. Kuijt in *Brittonia*, 39(4): 454 (1987)—Colombia.  
*minor* J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 525 (1987)—Nicaragua.  
*oblongifolius* (Rusby) J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 120 (1990): Struthanthus oblongifolius.  
*pangui* J. Kuijt in *Fl. Ecuador*, 24(32C): 177 (1986)—Ecuador.  
*pinicola* J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 525 (1987)—Belize, Nicaragua.  
*rhynchanthus* (Benth) J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 529 (1987): Loranthus rhynchanthus.  
*truncatus* J. Kuijt in *Fl. Ecuador*, 24(32C): 174 (1986)—Ecuador.  
*wiensii* J. Kuijt in *Fl. Ecuador*, 24(32C): 182 (1986)—Ecuador.

**PSOPHOCARPUS** (Legumin.).

- subgen. Lophostigma* N. Maxted in *Bot. J. Linn. Soc.*, 102(2): 115 (1990).  
*sect. Vignopsis* (De Wild.) N. Maxted in *Bot. J. Linn. Soc.*, 102(2): 115 (1990): gen. Vignopsis.

**PSORALEA** (Legumin.).

- fruticosa* Spreng., *Bot. Gart. Univ. Halle*: 75 (1800); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
*verrucosa* Willd. ex Spreng., *Bot. Gart. Univ. Halle*: 75 (1800); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.

**PSORALIDIUM** (Legumin.).

- lanceolatum*  
*var. stenophyllum* (Rydb.) S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (1986): Psoralea stenophylla.  
*var. stenostachys* (Rydb.) S.L. Welsh in *Great Basin Nat.*, 46(2): 257 (1986): Psoralea stenostachys.

**PSYCHANTHUS** (Zingiberac.).

- sect. Pleuranthodium* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia sect. Pleuranthodium.  
*biligulatus* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Alpinia biligulata.  
*branderhorstii* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Alpinia branderhorstii.  
*comptus* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 79 (1990): Alpinia compta.  
*floccosus* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Alpinia floccosa.  
*floribundus* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia floribunda.  
*gjellerupii* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia gjellerupii.  
*hellwigii* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia hellwigii.  
*iboensis* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia iboensis.  
*macropycnanthus* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Alpinia macropycnantha.  
*neragaimae* (Gilli) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 51, 81 (1990): Alpinia neragaimae.  
*papilionaceus* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia papilionacea.

**PSYCHANTHUS** :—

- pedicellatus* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia pedicellata.  
*peekelii* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia peekelii.  
*pelecystyla* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Alpinia pelecystyla.  
*piundaundensis* (van Royen) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 81 (1990): Riedelia piundaundensis.  
*platynemus* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia platynema.  
*pteroecarpus* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia pteroecarpa.  
*racemiger* (F. Muell.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia racemigera.  
*roemerii* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia roemerii.  
*schlechteri* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia schlechteri.  
*scyphonemum* (K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 80 (1990): Alpinia scyphonema.  
*tephrochlamys* (Lauterb. & K. Schum.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia tephrochlamys.  
*trichocalyx* (Val.) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 82 (1990): Alpinia trichocalyx.

**PSYCHILIS** (Orchidac.).

- atropurpurea* (Willdenow) R.P. Saulea in *Phytologia*, 65(1): 6 (1988): Epidendrum atropurpureum.  
*bifida* (Aublet) R.P. Saulea in *Phytologia*, 65(1): 8 (1988): Epidendrum bifidum.  
*buchii* (Cogniaux) R.P. Saulea in *Phytologia*, 65(1): 10 (1988): Epidendrum buchii.  
*cogniauxii* (L.O. Williams) R.P. Saulea in *Phytologia*, 65(1): 11 (1988): Epidendrum cogniauxii.  
*correllii* R.P. Saulea in *Phytologia*, 65(1): 11 (1988)—Leeward Is.  
*dodii* R.P. Saulea in *Phytologia*, 65(1): 13 (1988)—Hispaniola (Dominican Republic).  
*domingensis* (Cogniaux) R.P. Saulea in *Phytologia*, 65(1): 14 (1988): Epidendrum domingense.  
*kraenzlinii* (Bello) R.P. Saulea in *Phytologia*, 65(1): 15 (1988): Epidendrum kraenzlinii.  
*krugii* (Bello) R.P. Saulea in *Phytologia*, 65(1): 17 (1988): Epidendrum krugii.  
*macconnelliae* R.P. Saulea in *Phytologia*, 65(1): 18 (1988)—Leeward Is., Puerto Rico.  
*monensis* R.P. Saulea in *Phytologia*, 65(1): 20 (1988)—Puerto Rico.  
*olivacea* (Cogniaux) R.P. Saulea in *Phytologia*, 65(1): 21 (1988): Epidendrum olivaceum.  
*×raganii* R.P. Saulea in *Phytologia*, 65(1): 26 (1988)—Puerto Rico. (P. kraenzlinii × krugii).  
*rubeniana* Dod ex R.P. Saulea in *Phytologia*, 65(1): 22 (1988)—Hispaniola (Dominican Republic).  
*truncata* (Cogniaux) R.P. Saulea in *Phytologia*, 65(1): 24 (1988): Epidendrum truncatum.  
*×tudiana* (Dod) R.P. Saulea in *Phytologia*, 65(1): 27 (1988): Encyclia × tudiana.  
*vernica* (Dod) R.P. Saulea in *Phytologia*, 65(1): 25 (1988): Encyclia vernica.

**PSYCHOTRIA** (Rubiace.).

- amboniana*  
*subsp. mosambicensis* (Petit) B. Verdcourt in *Fl. Zambes.*, 5(1): 24 (1989): P. albidocalyx var. mosambicensis.  
*anartiothrix* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 340 (1988)—Venezuela.  
*aquatilis*  
*var. divaricatus* S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 32 (1988)—New Guinea (Papua New Guinea).  
*araiosantha* A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 290 (1988)—Fiji.  
*archboldii* S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 34 (1988)—Louisiane Archipelago, New Guinea (Papua New Guinea), New Britain.  
*var. multinervia* S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 37 (1988)—New Guinea (Papua New Guinea).  
*asekiensis* S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 37 (1988)—New Guinea (Papua New Guinea).  
*balakrishnii* D.B. Deb & M. Gangopadhyay in *Bull. Bot. Surv. India*, 25(1-4): 211 (1983 publ. 1985)—Andaman Is.

## PSYCHOTRIA :-

- balancanensis C.W. Hamilton in *Phytologia*, 64(3): 219 (1988)—Hawaiian Is.
- beaufortiensis Valetton ex S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 44 (1988)—New Guinea (W. Irian).
- berryi R. Wingfield in *Ann. Missouri Bot. Gard.*, 77(3): 597 (1990), nom. nov.: P. davidsei Steyermark.
- boloboensis  
var. balimensis (Merrill & Perry) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 49 (1988): P. balimensis.
- breweri J. Steyermark in *Acta Bot. Venezuel.*, 14(3): 25 (1984)—Venezuela.
- bristolii W.A. Whistler in *J. Arnold Arbor.*, 67(3): 354 (1986)—Samoa.
- buntingii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(2): 399 (1987)—Venezuela.
- burkillii D.B. Deb & M. Gangopadhyay in *Bull. Bot. Surv. India*, 25(1-4): 213 (1983 publ. 1985)—India.
- butibumensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 54 (1988)—New Guinea (Papua New Guinea).
- capensis  
var. puberula (Petit) B. Verdcourt in *Fl. Zambes.*, 5(1): 14 (1989): P. riparia var. puberula.  
subsp. riparia (K. Schum. & K. Krause) B. Verdcourt in *Fl. Zambes.*, 5(1): 13 (1989): Grumilea riparia.
- carnea  
subsp. oncocarpa (Schumann) W.A. Whistler in *J. Arnold Arbor.*, 67(3): 354 (1986): P. oncocarpa.
- cascajalensis C.W. Hamilton in *Phytologia*, 64(3): 220 (1988)—Panama.
- chitariana J.D. Dwyer & C.W. Hamilton in *Phytologia*, 64(3): 221 (1988)—Costa Rica.
- chonantha (Gill) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 57 (1988): Caelospermum chonanthum.
- christophersenii W.A. Whistler in *J. Arnold Arbor.*, 67(3): 363 (1986)—Samoa.
- chrysanthoides S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 63 (1988)—New Guinea (Papua New Guinea, W. Irian).
- cocosensis C.W. Hamilton in *Phytologia*, 64(3): 222 (1988)—Cocos Is. (Pacific Ocean).
- conglobatioides S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 67 (1988)—New Guinea (W. Irian).
- costivenia  
var. altorum (Standley & Steyermark) C.W. Hamilton in *Phytologia*, 64(3): 223 (1988): P. altorum.
- crassipedunculata S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 69 (1988)—New Britain, New Guinea (Papua New Guinea).
- crassiramula S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 71 (1988)—New Guinea (Papua New Guinea).
- croftiana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 73 (1988)—New Guinea (Papua New Guinea).
- damasiana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 77 (1988)—New Britain, New Guinea (Papua New Guinea), Louisiade Archipelago.
- diplococca  
var. tauriensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 88 (1988)—New Guinea (Papua New Guinea).
- dipteropodioides S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 92 (1988)—New Guinea (Papua New Guinea).
- diversinodula (Verdc.) B. Verdcourt in *Fl. Zambes.*, 5(1): 29 (1989): P. kirkii var. diversinodula.
- dressleri (Dwyer) C.W. Hamilton in *Phytologia*, 64(3): 223 (1988): Cephaelis dressleri.
- dwyeri C.W. Hamilton in *Phytologia*, 64(3): 223 (1988)—Mexico.
- edaphothrix J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 342 (1988)—Venezuela.
- faxlucens D.H. Lorence & J.D. Dwyer in *Bol. Soc. Bot. Méx.*, 47: 50 (1987)—Mexico.
- flaviramula S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 103 (1988)—New Guinea (W. Irian).
- foremanii S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 105 (1988)—New Guinea (Papua New Guinea).
- fosteri C.W. Hamilton in *Phytologia*, 64(3): 224 (1988)—Panama.
- frodinii S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 107 (1988)—New Guinea (Papua New Guinea).
- galorei S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 109 (1988)—New Britain, Louisiade Archipelago.

## PSYCHOTRIA :-

- giluwensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 112 (1988)—New Guinea (Papua New Guinea).
- glandulifera  
var. trimenii S.H. Sohmer in M.D. Dassanayake & F.R. Fosberg, eds., *Revised Handb. Fl. Ceylon*, 6: 335 (1988)—Sri Lanka.
- glandulosa (Dennst.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rheedee's Hort. Malab.*: 229 (1988): Baldingera glandulosa.
- goodenoughensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 116 (1988)—Louisiane Archipelago.
- grandistipulata (Lauterbach) W.A. Whistler in *J. Arnold Arbor.*, 67(3): 356 (1986): Randia grandistipulata.
- guanchezii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 109 (1987)—Venezuela.
- haumugaensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 118 (1988)—New Guinea (Papua New Guinea).
- hellwigiensis Valetton ex S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 313 (1988)—New Guinea (W. Irian).
- hentyi S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 122 (1988)—New Guinea (Papua New Guinea, W. Irian).
- hollandiae  
var. piraensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 129 (1988)—New Guinea (Papua New Guinea, W. Irian).
- var. whitei (Moore) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 132 (1988): P. whitei.
- hornitensis J.D. Dwyer & C.W. Hamilton in *Phytologia*, 64(3): 225 (1988)—Panama.
- impercepta A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 323 (1988)—Fiji.
- insueta (Dwyer) C.W. Hamilton in *Phytologia*, 64(3): 226 (1988): Cephaelis insueta.
- izabalensis  
subsp. oaxacana D.H. Lorence in *Bol. Soc. Bot. Méx.*, 47: 53 (1987)—Mexico.
- jinotegensis  
var. morazanensis C.W. Hamilton in *Phytologia*, 64(3): 226 (1988)—Salvador.
- johnsii S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 135 (1988)—New Guinea (Papua New Guinea).
- kairoana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 137 (1988)—New Guinea (Papua New Guinea).
- karemaensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 143 (1988)—New Guinea (Papua New Guinea).
- katikii S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 145 (1988)—New Guinea (Papua New Guinea, W. Irian).
- keralensis D.B. Deb & M. Gangopadhyay in *Bull. Bot. Surv. India*, 25(1-4): 213 (1983 publ. 1985)—India.
- lamarinensis C.W. Hamilton in *Phytologia*, 64(3): 227 (1988)—Costa Rica.
- laselvensis C.W. Hamilton in *Phytologia*, 64(3): 228 (1988)—Costa Rica.
- leleana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 152 (1988)—New Britain, Admiralty Is.
- leleanoides S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 154 (1988)—New Britain, British Solomon Is., Bougainville Is.
- leptothyrsa  
var. friabilis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 163 (1988)—New Guinea (Papua New Guinea).
- var. multifurca (Valetton) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 165 (1988): P. multifurca.
- longipaniculata S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 171 (1988)—New Guinea (Papua New Guinea).
- lovetitii A. Borhidi & B. Verdcourt in *Kew Bull.*, 45(4): 703 (1990)—Tanzania.
- luteotuba D.H. Lorence in *Bol. Soc. Bot. Méx.*, 47: 55 (1987)—Mexico.
- magnasepala S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 179 (1988)—New Guinea (Papua New Guinea).
- marafungaensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 181 (1988)—New Guinea (Papua New Guinea).
- megalantha D.H. Lorence in *Bol. Soc. Bot. Méx.*, 47: 58 (1987)—Mexico.
- merrilliana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 188 (1988), nom. nov.: P. trichostoma var. macrophylla Merrill & Perry.
- mirandae C.W. Hamilton in *Phytologia*, 64(3): 229 (1988)—Mexico.

## PSYCHOTRIA :-

- misolensis Valetton ex S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 318 (1988)—New Guinea (W. Irian).
- monopedicellata S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 200 (1988)—New Britain.
- monteverdensis J.D. Dwyer & C.W. Hamilton in *Phytologia*, 64(3): 230 (1988)—Costa Rica.
- morobensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 203 (1988)—New Guinea (Papua New Guinea).
- multipedunculata S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 209 (1988)—New Britain, New Ireland, Louisiade Archipelago.
- mur-murensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 211 (1988)—New Guinea (Papua New Guinea).
- mwiniungae B. Verdcourt in *Fl. Zambes.*, 5(1): 23 (1989)—Zambia.
- nanifrutex S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 216 (1988)—New Guinea (Papua New Guinea).
- neillii C.W. Hamilton & J.D. Dwyer in *Phytologia*, 64(3): 231 (1988)—Nicaragua, Costa Rica.
- nigra  
var. peninsularis (Hook. f.) D.B. Deb & M.G. Gangopadhyay in *J. Econ. Taxon. Bot., Addit. Ser.* 7: 51 (1989): P. thwaitesii var. peninsularis.
- novohiberiensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 219 (1988)—New Ireland.
- nudiflora  
var. latifolia D.B. Deb & M. Gangopadhyay in *Bull. Bot. Surv. India*, 25(1-4): 215 (1983 publ. 1985)—India.
- pacorensis C.W. Hamilton in *Phytologia*, 64(3): 232 (1988)—Panama.
- panamensis  
var. compressicaulis (K. Krause) C.W. Hamilton in *Phytologia*, 64(3): 233 (1988): P. compressicaulis.
- var. ixtlanensis C.W. Hamilton in *Phytologia*, 64(3): 233 (1988)—Mexico.
- var. magna (Standley) C.W. Hamilton in *Phytologia*, 64(3): 234 (1988): P. magna.
- pavaiensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 223 (1988)—Bougainville Is.
- pectinata J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 344 (1988)—Venezuela.
- peduncularis  
var. angustibracteata B. Verdcourt in *Fl. Zambes.*, 5(1): 22 (1989)—Zimbabwe, Mozambique.
- var. rufonyassana B. Verdcourt in *Fl. Zambes.*, 5(1): 22 (1989)—Zambia, Malawi, Tanzania.
- phaeochlamysoides S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 231 (1988)—Louisiane Archipelago, New Guinea (Papua New Guinea).
- pocsii A. Borhidi & B. Verdcourt in *Kew Bull.*, 45(4): 707 (1990)—Tanzania.
- subsp. ferruginea A. Borhidi & B. Verdcourt in *Kew Bull.*, 45(4): 708 (1990)—Tanzania.
- praecox Valetton ex S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 326 (1988)—New Guinea (W. Irian).
- pulleniana S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 233 (1988)—New Guinea (W. Irian, Papua New Guinea).
- pumila  
var. subumbellata (Petit) B. Verdcourt in *Fl. Zambes.*, 5(1): 27 (1989): P. albidocalyx var. subumbellata.
- purariensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 235 (1988)—New Guinea (Papua New Guinea).
- ramadecumbens S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 238 (1988)—New Guinea (Papua New Guinea).
- ramuensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 240 (1988)—New Guinea (Papua New Guinea).
- var. pubescentia S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 243 (1988)—New Guinea (Papua New Guinea).
- randiana  
var. misimensis (Merrill & Perry) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 252 (1988): P. misimensis.
- var. tafaensis (Merrill & Perry) S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 250 (1988): P. tafaensis.
- reflexapedunculata S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 252 (1988)—Louisiane Archipelago.
- ronaldii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 111 (1987)—Venezuela.
- rosseliensis S.H. Sohmer in *Bishop Mus. Bull. Bot.*, 1: 256 (1988)—Louisiane Archipelago.



**PSYCHOTRIA** :-

- saidoriensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 260 (1988)—New Guinea (Papua New Guinea), New Britain.
- sarmiensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 260 (1988)—New Guinea (W. Irian).
- sclerocarpa *W.A. Whistler in J. Arnold Arbor.*, 67(3): 351 (1986)—Samoa.
- silhouettae *F. Friedmann in Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 65 (1990)—Seychelles Is.
- sixaolensis *C.W. Hamilton in Phytologia*, 64(3): 234 (1988)—Costa Rica, Panama.
- sohmeri *M. Kiehn in Pl. Syst. Evol.*, 154(3-4): 215 (1986), nom. nov.: *P. fosbergii* *Sohmer*.
- sousae *D.H. Lorence & J.D. Dwyer in Bol. Soc. Bot. Méx.*, 47: 59 (1987)—Mexico.
- steinii *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 345 (1988)—Venezuela.
- stevensiana *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 271 (1988)—New Britain.
- stockwellii *C.W. Hamilton in Phytologia*, 64(3): 235 (1988)—Costa Rica, Panama.
- streimannii *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 273 (1988)—New Guinea (Papua New Guinea).
- subimbricata *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(2): 400 (1987)—Venezuela.
- talasensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 275 (1988)—New Britain, New Guinea (Papua New Guinea).
- testacea *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 280 (1988)—New Guinea (W. Irian, Papua New Guinea).
- theselcloantha *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 347 (1988)—Venezuela.
- tripedunculata *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 286 (1988)—New Guinea (W. Irian).
- unicarinata (*Fosberg*) *A.C. Smith & S.P. Darwin in Fl. Vitiensis Nova*, 4: 318 (1988): *P. griseifolia* var. *unicarinata*.
- vaccinioides
- var. *kostermansii* *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 290 (1988)—New Guinea (W. Irian).
- vaccinioidifolia *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 290 (1988)—New Guinea (W. Irian).
- valetianiana *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 293 (1988)—New Guinea (Papua New Guinea, W. Irian), New Britain, New Ireland.
- vanimoensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 296 (1988)—New Guinea (Papua New Guinea).
- vaupelii *W.A. Whistler in J. Arnold Arbor.*, 67(3): 352 (1986)—Samoa.
- veracruzensis *D.H. Lorence & J.D. Dwyer in Bol. Soc. Bot. Méx.*, 47: 61 (1987)—Mexico.
- verdourtii *A. Borhidi in Kew Bull.*, 45(4): 706 (1990)—Tanzania.
- vinkii *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 300 (1988)—New Guinea (W. Irian).
- waiuensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 303 (1988)—New Guinea (Papua New Guinea).
- womersleyi *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 307 (1988)—New Guinea (Papua New Guinea).
- yapaensis *S.H. Sohmer in Bishop Mus. Bull. Bot.*, 1: 309 (1988)—New Guinea (Papua New Guinea, W. Irian).
- yutajensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 348 (1988)—Venezuela.

**PSYCHROGETON** (Compos.).

- nabidshonii (*R. Kam.*) *T.F. Kochkareva & E.P. Zhogoleva in Fl. Tadzhikskoi SSR*, 9: 247 (1988): *Erigeron nabidshonii*.

**PSYDRAX** (Rubiace.).

- nitidum (*Craib*) *K.M. Wong in Tree Fl. Malaya*, 4: 400 (1989): *Canthium nitidum*.
- odorata (*Forst. f.*) *A.C. Smith & S.P. Darwin in Fl. Vitiensis Nova*, 4: 230 (1988): *Coffea odorata*.

**PSYLLIUM** (Plantaginac.).

- majus *Ratier, Pharm. Franç.*: 118 (1827); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982)—Locality not stated.

**PTARMICA** (Compos.).

- multiflora (*Hook.*) *N.N. Tsvelev in Arktich. Fl. SSSR*, 10: 107 (1987): *Achillea multiflora*.

**PTARMICA** :-

- salicifolia
- subsp. *borysthénica* (*Klok. & Sakalo*) *N.N. Tsvelev in Arktich. Fl. SSSR*, 10: 106 (1987): *P. borysthénica*.
- var. *septentrionalis* (*Serg.*) *N.N. Tsvelev in Arktich. Fl. SSSR*, 10: 106 (1987): *P. cartilaginea* subsp. *septentrionalis*.

**PTERACANTHUS** (Acanthac.).

- gongshanensis *H.P. Tsui in Acta Bot. Yunnanica*, 12(3): 277 (1990)—China.
- hygrophiloides (*C.B. Clarke ex W.W. Smith*) *H.W. Li in Fl. Xizangica*, 4: 415 (1985): *Strobilanthes hygrophiloides*.
- versicolor (*Diels*) *H.W. Li in Fl. Xizangica*, 4: 415 (1985): *Strobilanthes versicolor*.

**PTERICHIS** (Orchidac.).

- colombiana *G. Morales L. in Orquideologia*, 16(3): 72 (1986)—Colombia.
- fernandezii *G. Morales L. in Orquideologia*, 16(3): 74 (1986)—Colombia.
- galcata
- var. *quilinsayacoana* *G. Morales L. in Orquideologia*, 16(3): 60 (1986)—Colombia.

**PTERNOPETALUM** (Umbellif.).

- brevium (*Shan & Pu*) *K.T. Fu in Fl. Tsinlingensis*, 1(3): 400 (1981): *P. longicaule* var. *brevium*.
- lamellosociliare *K.T. Fu in Fl. Tsinlingensis*, 1(3): 457, 401 (1981), as 'lamelloso-ciliare'—China.
- tanakae
- var. *fulcrantum* *Y.H. Zhang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 59 (1989)—China.
- trifoliatum *R.H. Shan & F.T. Pu in Acta Phytotax. Sin.*, 27(1): 64 (1989)—China.

**PTEROCARPUS** (Legumin.).

- ecastaphyllum (*L.*) *A. Murray in Linnaeus, Syst. Veg.*, ed. 13: 533 (1774): *Hedysarum ecastaphyllum*.
- marisupium
- subsp. *acuminatus* (*Prairie*) *K. Thothathri, Taxon. Revis. Tribe Dalbergieae in Indian Subcont.*: 227 (1987): *P. marsupium* var. *acuminata*.
- vijaya *F. Buchanan-Hamilton in Mem. Wern. Soc.*, 6: 286 (1 January 1832); fide *D.J. Mabberley in Taxon*, 26(5-6): 530 (1977)—Nepal.

**PTEROCEPHALIDIUM** *G. López González in An. Jard. Bot. Madrid*, 43(2): 251 (1986 publ. 1987).**DIPSACACEAE**

- diandrum (*Lag.*) *G. López González in An. Jard. Bot. Madrid*, 43(2): 252 (1986 publ. 1987): *Scabiosa diandra*.

**PTEROCEPHALUS** (Dipsacac.).

- multisetus (*Vis.*) *Endl., Cat. Horti Vindob.*, 1: 303 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 435 (1984): Basionym not stated.
- siamensis (*Craib*) *R. Verlaque in Rev. Cytol. Biol. Vég. Bot.*, 9(1): 30 (1986), without basionym ref.: *Scabiosa siamensis*.

**PTEROCERAS** (Orchidac.).

- insularum *L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 426 (1988)—Vietnam.
- pricei (*Rolfe*) *L.V. Aver'yanov, Prelim. list Vietnam. Orchids*, 2: 120 (1988): *Dendrocolla pricei*.
- pustulatum *K. Senghas in Orchidee*, 40(1): 5 (1989)—Philippine Is.
- simondianus (*Gagnep.*) *L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 432 (1988): *Ornithochilus simondianus*.
- sumatranum (*Schltr.*) *G. Seidenfaden in Op. Bot.*, 95: 256 (1988): *Sarcochilus sumatranus*.

**PTEROCYMBIUM** *R. Brown, Pterocymbium*: 219 (4 June 1844). **STERCULIACEAE**. †

- javanicum *R. Brown, Pterocymbium*: 219 (4 June 1844)—Java. †

**PTEROCYPSELA** *C. Shih in Acta Phytotax. Sin.*, 26(5): 385 (1988). **COMPOSITAE**.

- elata (*Hemsl.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 385 (1988): *Lactuca elata*.

**PTEROCYPSELA** :-

- formosana (*Maxim.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 389 (1988): *Lactuca formosana*.
- indica (*L.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 387 (1988): *Lactuca indica*.
- laciniata (*Houtt.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 388 (1988): *Prenanthes laciniata*.
- raddeana (*Maxim.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 386 (1988): *Lactuca raddeana*.
- sonchus (*Lévl. & Vant.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 388 (1988): *Lactuca sonchus*.
- triangulata (*Maxim.*) *C. Shih in Acta Phytotax. Sin.*, 26(5): 386 (1988): *Lactuca triangulata*.

**PTERONIA** (Compos.).

- diosmifolia *F.A. Brusse in Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 151 (1990)—South Africa (Cape Province).

**PTEROPENTACOILANTHUS** *F. Rappa & V. Camarrone in Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 22 (1962), without type. **AIZOACEAE**.

- hypertrophicus (*Dtr.*) *F. Rappa & V. Camarrone in Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 22 (1962), without basionym ref.: *Halenbergia hypertrophica*.

**PTEROSTYLIS** (Orchidac.).

- abrupta *D.L. Jones in Orchadian*, 8(6): 122 (1985)—Australia (New South Wales).
- aciculiformis (*Nicholls*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 118 (1989): *P. pusilla* var. *aciculiformis*.
- arenicola *M.A. Clements & J. Stewart in Austral. Orchid Res.*, 1: 120 (1989)—Australia (S. Australia).
- aspera *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 120 (1989)—Australia (W. Australia).
- bicolor *M.A. Clements & D.L. Jones in Proc. Roy. Soc. Queensl.*, 98: 126 (1987)—Australia (New South Wales, Queensland).
- bicornis *D.L. Jones & M.A. Clements in Proc. Roy. Soc. Queensl.*, 98: 124 (1987)—Australia (Queensland).
- braemii *H. Mohr in Schlechteriana*, 1990(1): 21 (1990)—New Guinea (Papua New Guinea).
- calceolus *M.A. Clements in Austral. Orchid Res.*, 1: 120 (1989)—Australia (New South Wales).
- chaetophora *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 120 (1989)—Australia (New South Wales, Queensland).
- ciliata *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 120 (1989)—Australia (W. Australia).
- cobarensis *M.A. Clements in Austral. Orchid Res.*, 1: 121 (1989)—Australia (New South Wales).
- collina (*Rupp*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 121 (1989): *P. ophioglossa* var. *collina*.
- concava *D. Jones & M.A. Clements in Austral. Orchid Res.*, 1: 121 (1989)—Australia (W. Australia).
- despectans (*Nicholls*) *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 122 (1989): *P. rufa* var. *despectans*.
- dolichochila *D.L. Jones & M.A. Clements in Fl. S. Australia*, 4: 2117 (1986)—Australia (S. Australia, Victoria).
- erythroconcha *M.A. Clements & D.L. Jones in Fl. S. Australia*, 4: 2118 (1986)—Australia (S. Australia).
- excelsa *M.A. Clements in Fl. S. Australia*, 4: 2119 (1986)—Australia (S. Australia, Victoria).
- insectifera *M.A. Clements in Austral. Orchid Res.*, 1: 123 (1989)—Australia (W. Australia).
- leptochila *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 123 (1989)—Australia (W. Australia).
- lingua *M.A. Clements in Austral. Orchid Res.*, 1: 123 (1989)—Australia (New South Wales).
- macrocalymma *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 124 (1989)—Australia (W. Australia).
- maxima *M.A. Clements & D. Jones in Austral. Orchid Res.*, 1: 124 (1989)—Australia (Victoria, S. Australia, New South Wales).
- nigricans *D.L. Jones & M.A. Clements in Austrobaileya*, 2(5): 550 (1988)—Australia (Queensland, New South Wales).
- ovata *M.A. Clements in Fl. S. Australia*, 4: 2124 (1986)—Australia (S. Australia).

**PTEROSTYLIS** :-

- picta* M.A. Clements in *Austral. Orchid Res.*, 1: 125 (1989)—Australia (W. Australia).  
*praetermissa* M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 125 (1989)—Australia (New South Wales, Queensland).  
*procera* D. Jones & M.A. Clements in *Austral. Orchid Res.*, 1: 125 (1989)—Australia (Queensland).  
*roensis* M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 126 (1989)—Australia (W. Australia).  
*sanguinea* D. Jones & M.A. Clements in *Austral. Orchid Res.*, 1: 126 (1989)—Australia (S. Australia, W. Australia, Victoria).  
*spathulata* M.A. Clements in *Austral. Orchid Res.*, 1: 127 (1989)—Australia (W. Australia).  
*taurus* M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 127 (1989)—Australia (Queensland).  
*tunstallii* D. Jones & M.A. Clements in *Austral. Orchid Res.*, 1: 126 (1989)—Australia (New South Wales).  
*xerophila* M.A. Clements in *Fl. S. Australia*, 4: 2130 (1986)—Australia (S. Australia, Victoria).

**PTEROTETRACOILANTHUS** F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 18: 22 (1962), without type. *AIZOACEAE*.

**PTEROTHECA** (Compos.).

- aralensis* A. Bunge, *Beitr. Fl. Russl.*: 207 (1852)—U.S.S.R. (Middle Asia).†

**PTEROTHRIX** (Compos.).

- tecta* F. Brusse in *Bothalia*, 20(1): 67 (1990)—South Africa (Cape Province).

**PTERYGODIUM** (Orchidac.).

- schelpei* H.P. Linder in *S. Afr. J. Bot.*, 54(5): 496 (1988)—South Africa (Cape Province).

**PTERYGOTA** (Sterculiac.).

- alata* (Roxb.) R. Brown *Pterocymbium*: 234 (4 June 1844)—Sterculia *alata*.†

**PTILOTRICHUM** (Crucif.).

- cyclocarpum*  
*subsp. pindicum* P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 305 (1986)—Greece, Albania.

**PTILOTUS** (Amaranthac.).

- barkeri* G. Benl in *J. Adelaide Bot. Gard.*, 11(2): 195 (1989)—Australia (S. Australia).  
*crispus* G. Benl in *Nuytsia*, 6(3): 319 (1988)—Australia (W. Australia).

**PTYCHOSPERMA** (Palmae).

- hentyi* F.B. Essig in *Principes*, 31(3): 113 (1987)—New Guinea (Papua New Guinea).

**PTYSSIGLOTTIS** (Acanthac.).

- isophylla* (C.B. Clarke) B. Hansen in *Nordic J. Bot.*, 9(2): 214 (1989); *Polytrema isophylla*.  
*kunthiana* (Nees) B. Hansen in *Nordic J. Bot.*, 9(2): 214 (1989); *Asystasia kunthiana*.

**PUCCINELLIA** (Gramin.).

- subsect. Angustatae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1790 (1989).  
*ser. Angustatae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1791 (1989).  
*subsect. Asiaticae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1788 (1989).  
*ser. Capillares* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1790 (1989).  
*subsect. Festuciformes* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1787 (1989).  
*ser. Jenisseienses* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1791 (1989).  
*ser. Macrantherae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1788 (1989).  
*ser. Montanae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1789 (1989).  
*subsect. Orientales* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1790 (1989).  
*ser. Orientales* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1790 (1989).  
*sect. Pumilae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1791 (1989).  
*ser. Tenuiflorae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1788 (1989).

**PUCCINELLIA** :-

- subsect. Vaginatae* S.V. Ovchinnikova in *Bot. Zhurn.*, 74(12): 1791 (1989).  
*anisoclada*  
*subsp. melderisiana* Kit Tan in *Pl. Syst. Evol.*, 154(1-2): 127 (1986)—Turkey.  
*caespitosa* G. Montserrat Marti & J.M. Montserrat Marti in *Collect. Bot.*, 17(1): 82 (1987 publ. 1988)—Spain.  
*gyirongensis* L. Liou in *Fl. Xizangica*, 5: 125 (1987)—Xizang.  
*howellii* J.I. Davis in *Madroño*, 37(1): 55 (1990)—U.S.A. (California).  
*jacutica* S.V. Bubnova in *Bot. Zhurn.*, 73(9): 1331 (1988)—U.S.S.R. (Siberia).  
*kalininiae* S.V. Bubnova in *Bot. Zhurn.*, 73(9): 1332 (1988)—U.S.S.R. (Siberia).  
*kreczetoviczii* S.V. Bubnova in *Bot. Zhurn.*, 73(9): 1334 (1988)—U.S.S.R. (Siberia), Mongolia.  
*leiolepis* L. Liou in *Fl. Xizangica*, 5: 126 (1987)—Xizang.  
*mongolica* (T. Norlindh) S.V. Bubnova in *Bot. Zhurn.*, 73(9): 1336 (1988); *P. tenuiflora* var. *mongolica*.  
*multiflora* L. Liou in *Fl. Xizangica*, 5: 123 (1987)—Xizang.  
*neglecta* (Tzvel.) S.V. Bubnova in *Spis. Rast. Gerb. Fl. SSSR*, 26(131-136): 40 (1988); *P. borealis* subsp. *neglecta*.  
*pallida* (Torrey) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 526 (1987), isonym; see R.T. Clausen in *Rhodora*, 54: 44 (1952); *Windsoria pallida*.  
*subsp. natans* (Komarov) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 526 (1987); *Glyceria natans*.  
*subsp. viridis* (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 526 (1987); *Glyceria viridis*.  
*platyglumis* L. Liou in *Fl. Xizangica*, 5: 128 (1987)—Xizang.  
*shuanghuensis* L. Liou in *Fl. Xizangica*, 5: 125 (1987)—Xizang.  
*waginia* S.V. Bubnova in *Fl. Sibir. (Poaceae)*, 2: 208 (1990)—U.S.S.R. (Siberia).

**PUERARIA** (Legumin.).

- edulis*  
*var. likiangensis* P.C. Li in *Acta Bot. Yunnanica*, 11(3): 302 (1989)—China.  
*lobata*  
*subsp. thomsonii* (Benth.) H. Ohashi & Y. Tateishi in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(3): 232 (1988); *P. thomsonii*.  
*montana*  
*var. chinensis* (Ohwi) L.J.G. van der Maesen & S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 85(1): 234 (1988); *P. lobata* var. *chinensis*.  
*var. lobata* (Ohwi) L.J.G. van der Maesen & S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 85(1): 234 (1988); *P. lobata* var. *lobata*.  
*thunbergii*  
*f. alba* M.H. Lee in *Korean J. Pl. Taxon.*, 13(2): 109 (1983)—Korea.

**PULICARIA** (Compos.).

- inuloides* Vahl ex Hornem., *Hort. Hafn.*: 823 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.  
*omanensis*  
*subsp. milleri* E. Gamal-Eldin in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 486 (1986)—Oman.  
*pulvinata* E. Gamal-Eldin in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 481 (1986)—Oman.  
*salviaefolia* A. Bunge, *Beitr. Fl. Russl.*: 155 (1852)—U.S.S.R. (Middle Asia).†

**PULMONARIA** (Boraginac.).

- helvetica* M. Bolliger, *Pulmonaria in Westeuropa (Phanerogam. Monogr.)*, 8: 99 (1982)—Switzerland.  
*longifolia*  
*subsp. cevennensis* M. Bolliger, *Pulmonaria in Westeuropa (Phanerogam. Monogr.)*, 8: 50 (1982)—France, Spain.  
*subsp. delphinensis* M. Bolliger, *Pulmonaria in Westeuropa (Phanerogam. Monogr.)*, 8: 57 (1982)—France.

**PULMONARIA** :-

- subsp. glandulosa* M. Bolliger, *Pulmonaria in Westeuropa (Phanerogam. Monogr.)*, 8: 61 (1982)—Portugal, Spain.  
*tuberosa* Schmidt ex Mart. in *Denkr. Kön. Akad. Wiss. Münch.*, 5e(7): 175 (1817); cf. D.J. Mabberley in *Taxon*, 33(3): 444 (1984)—Locality not stated.

**PULSATILLA** (Ranunculac.).

- alpina*  
*var. fontqueri* (Lainz & P. Monts.) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 100 (1989); *P. alpina* subsp. *fontqueri*.  
*cernua*  
*f. plumbea* J.X. Ji & Y.T. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 69 (1989)—China.  
*montana*  
*subsp. olympica* D.T. Voliotis in *Phyton (Austria)*, 28(1): 88 (1988)—Greece.  
*rubra*  
*var. montsicciana* (O. de Bolòs & J. Vigo) A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 100 (1989); *Anemone pulsatilla* var. *montsicciana*.  
*turczaninovii*  
*f. albiflora* Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramontolicae*, 19(4): 657 (1988)—China.

**PULTENAEA** (Legumin.).

- linearifolia* A. Strid in *Pl. Syst. Evol.*, 155(1-4): 344 (1987)—Australia (W. Australia).  
*rigida*  
*var. ovata* J.Z. Weber in *Fl. S. Australia*, 2: 681 (1986)—Australia (S. Australia).

**PURSHIA** (Rosac.).

- alba* (Goodding) E.I. Golubkova in *Bot. Zhurn.*, 72(6): 776 (1987); *Cowania alba*.  
*ericifolia* (Torr. ex Gray) J. Henrickson in *Phytologia*, 60(6): 468 (1986); *Cowania ericifolia*.  
*mexicana* (D. Don) J. Henrickson in *Phytologia*, 60(6): 468 (27 Aug 1986); *Cowania mexicana*.  
*mexicana* (D. Don) S.L. Welsh in *Great Basin Nat.*, 46(2): 260 (30 Apr 1986); *Cowania mexicana*.  
*var. stansburiana* (Torr.) S.L. Welsh in *Great Basin Nat.*, 46(2): 260 (1986), as 'stansburyi'; *Cowania stansburiana*.  
*pinkavae* C.G. Schaack in *Phytologia*, 63(4): 301 (1987)—U.S.A. (Arizona).  
*plicata* (D. Don) J. Henrickson in *Phytologia*, 60(6): 468 (1986); *Cowania plicata*.  
*stansburiana* (Torr.) J. Henrickson in *Phytologia*, 60(6): 468 (1986); *Cowania stansburiana*.  
*subintegra* (Kearney) J. Henrickson in *Phytologia*, 60(6): 468 (1986); *Cowania subintegra*.

**PUTTERLICKIA** (Celastrac.).

- retrospinosa* A.E. van Wyk & S.C. Mostert in *S. Afr. J. Bot.*, 53(4): 267 (1987)—South Africa (Natal, Cape Province).

**PUYA** (Bromeliac.).

- antioquiensis* L.B. Smith & R.W. Read in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 234 (1989)—Colombia.  
*gilmartiniae* G.S. Varadarajan & A. Flores in *J. Bromeliad Soc.*, 40(4): 161 (1990), as 'gilmartinii'—Chile.  
*horrida* L.B. Smith & R.W. Read in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 234 (1989)—Colombia.  
*ramonii* L.B. Smith in *J. Bromeliad Soc.*, 40(2): 57 (1990)—Peru.  
*solomonii* G.S. Varadarajan in *J. Bromeliad Soc.*, 39(3): 121 (1989)—Bolivia.  
*textoragicolae* W. Weber in *Feddes Repert.*, 97(3-4): 101 (1986), nom. nov.; *Pitcairnia weberbaueri* Mez.  
*werneriana* R.W. Read & L.B. Smith in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 5 (1986)—Peru.

**PYCNOCYCLA** (Umbellif.).

- bashagardiana* V. Mozaffarian in *Iranian J. Bot.*, 3(1): 84 (1985)—Iran.

**PYCREUS** (Cyperac.).

*bolei* S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(1): 180 (1986)—India.

*diaphanus*

*var. laxus* (Kukenth.) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 471 (1990): *Cyperus latespicatus* var. *laxus*.

*lancelotii* S.M. Almeida in *J. Bombay Nat. Hist. Soc.*, 83(1): 182 (1986)—India.

*polystachyos*

*var. circinatus* (Ridl.) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 472 (1990): *Cyperus circinatus*.

*subsp. holosericeus* (Link.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 125 (1989): *Cyperus holosericeus*.

*subsp. riograndensis* D.A. Simpson in *Kew Bull.*, 44(2): 281 (1989)—Brazil.

*sanguinolentus*

*subsp. cyrtostachys* (Miq.) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 472 (1990): *Cyperus eragrostis* var. *cyrtostachys*.

*subsp. melanocephalus* (Miq.) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 472 (1990): *Cyperus melanocephalus*.

*subsp. micronux* (Clarke) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 472 (1990): *Cyperus eragrostis* var. *micronux*.

*subsp. sacer* (Korlahalli) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 473 (1990): *Cyperus sanguinolentus* subsp. *sacer*.

**PYGEUM** (Rosac.).*wilsonii*

*var. macrophyllum* L.D. Lu in *Acta Bot. Yunnanica*, 10(3): 363 (1988)—Xizang.

**PYRENARIA** (Theac.).

*burmanica* T.K. Paul & M.P. Nayar in *J. Jap. Bot.*, 64(1): 8 (1989)—Burma.

**PYRETHRUM** (Compos.).

*argenteum* G.F. Hoffm., *Hort. Mosq.*: 31 (1808); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982)—Locality not stated.

*grandiflorum* W.J. Hooker in G.F. Lyon, *Brief Narrative of Attempt to reach Repulse Bay, 1824*: 191 (1825)—Canada (N.W. Terr.).

*lacustre* (Brot.) Hornem., *Hort. Hafn.*: 828 (1815); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984): Basionym not stated.

*sovetkinae* S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 23: 241 (1986)—U.S.S.R. (Middle Asia).

**PYRGOPHYLLUM** (Gagnep.) T.L. Wu & Z.Y.

Chen in *Acta Phytotax. Sin.*, 27(2): 126 (1989): *Kaempferia* subgen. *Pyrgophyllum* (Zingiberac.).

*yunnanensis* (Gagnep.) T.L. Wu & Z.Y. Chen in *Acta Phytotax. Sin.*, 27(2): 127 (1989): *Kaempferia yunnanensis*.

**PYROLA** (Ericac.).*asarifolia*

*subsp. incarnata* (DC.) E. Haber & H. Takahashi in *Bot. Mag. Tokyo*, 101(1064): 492 (1988): *P. rotundifolia* var. *incarnata*.

*rotundifolia*

*subsp. grandiflora* (Rad.) V.G. Sergienko, *Fl. poluostrova Kanin*: 80 (1986): *P. grandiflora*.

**PYROSTRIA** (Rubiace.).

*affinis* (Robyns) D.M. Bridson in *Kew Bull.*, 42(3): 628 (1987): *Dinocanthium* affine.

*bispathacea* (Mildbr.) D.M. Bridson in *Kew Bull.*, 42(3): 629 (1987): *Plectronia bispathacea*.

*buxifolia* (Bak.) B.P.G. Hochreutiner in *Annuaire Conserv. Jard. Bot. Genève*, 11–12: 99 (65) (1980): *Plectronia buxifolia*.†

*hystrix* (Bremek.) D.M. Bridson in *Kew Bull.*, 42(3): 629 (1987): *Dinocanthium hystrix*.

*lobulata* D.M. Bridson in *Kew Bull.*, 42(3): 627 (1987)—Rwanda, Tanzania, Zambia.

*phyllanthoidea* (Baill.) D.M. Bridson in *Kew Bull.*, 42(3): 629 (1987): *Canthium phyllanthoideum*.

**PYROSTRIA** :-

*socotrana* (Radcliffe-Smith) D.M. Bridson in *Kew Bull.*, 42(3): 625 (1987): *Canthium socotranum*.

*subvenia* (K. Schum.) B.P.G. Hochreutiner in *Annuaire Conserv. Jard. Bot. Genève*, 11–12: 99 (65) (1980): *Plectronia subvenia*.

*syringaeifolia* (Bak.) B.P.G. Hochreutiner in *Annuaire Conserv. Jard. Bot. Genève*, 11–12: 99 (65) (1980): *Plectronia syringaeifolia*.

**PYRUS** (Rosac.).

*acutiserrata* V.N. Gladkova in *Novosti Sist. Vyssh. Rast.*, 24: 104 (1987)—U.S.S.R. (Caucasus).

× *amphigenea* Domin ex J. Dostálek in *Folia Geobot. Phytotax.*, 24(1): 105 (1989)—Czechoslovakia. (P. communis × pyrastrer).

*hostii* (Jacq.) Endl., *Cat. Horti Vindob.*, 2: 440 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984): Basionym not stated.

*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 467 (1784)—Japan.†

*latifolia* (Lam.) hort. in *Hort. Soc. Lond., Cat. Fr.*: 183 (1826); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984): Basionym not stated.

*pseudosyrriaca* V.N. Gladkova in *Novosti Sist. Vyssh. Rast.*, 26: 107 (1989)—U.S.S.R. (Caucasus).

*pyrifolia*

*var. talschensis* V.N. Gladkova in *Novosti Sist. Vyssh. Rast.*, 25: 100 (1988)—U.S.S.R. (Caucasus).

*ussuriensis*

*var. heterophylla* V.N. Gladkova in *Novosti Sist. Vyssh. Rast.*, 25: 102 (1988)—U.S.S.R. (Caucasus).

## Q

**QAISERA** S. Omer in *Bot. Jahrb.*, 111(2): 206 (1989). *GENTIANACEAE*.

*carinata* (D. Don) S. Omer in *Bot. Jahrb.*, 111(2): 208 (1989): *Erythalia carinata*.

*coronata* (D. Don ex Royle) S. Omer in *Bot. Jahrb.*, 111(2): 210 (1989): *Eurythalia coronata*.

*hugeli* (Griseb.) S. Omer in *Bot. Jahrb.*, 111(2): 210 (1989): *Gentiana hugelii*.

**QIONGZHUEA** (Gramin.).

*intermedia* C.J. Hsueh & D.Z. Li in *Acta Bot. Yunnanica*, 10(1): 53 (1988)—China.

*macrophylla*

*f. leiboensis* C.J. Hsueh & D.Z. Li in *Acta Bot. Yunnanica*, 10(1): 51 (1988)—China.

*maculata* T.H. Wen in *J. Bamboo Res.*, 5(2): 22 (1986)—China.

*montigena* T.P. Yi in *J. Bamboo Res.*, 9(3): 28 (1990)—China.

*unifolia* T.P. Yi in *J. Bamboo Res.*, 9(1): 27 (1990)—China.

*verruculosa* T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 65 (1988)—China.

**QUADRANGULA** M.G. Baumann-Bodenheim, Syst.

*Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), nom. nov., without replaced synonym ref.; et Syst. *Fl. Neu-Caledonien*, 5: 97 (May 1989), without replaced synonym ref.: *Casuarina* § *Gymnostoma* Poiss. (Casuarinac.).

*chamaecyparis* (Poiss.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et Syst. *Fl. Neu-Caledonien*, 5: 97 (May 1989), without basionym page: *Casuarina chamaecyparis*.

*deplancheana* (Miq.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et Syst. *Fl. Neu-Caledonien*, 5: 97 (May 1989), without basionym page: *Casuarina deplancheana*.

**QUALEA** (Vochysiace.).

*brasiliensis* Stafleu & L. Marcano Berti in *Pittieria*, 13: 8 (1986)—Brazil.

**QUALEA** :-

*hannekesaskiarum* L. Marcano Berti in *Pittieria*, 13: 5 (1986)—Brazil.

*mori-boomii* L. Marcano-Berti in *Pittieria*, 18: 5 (1989)—French Guiana.

*panamensis* L. Marcano-Berti in *Pittieria*, 18: 5 (1989)—Panama.

*wurdackii* L. Marcano Berti in *Pittieria*, 13: 7 (1986)—Venezuela.

**QUAMOCLIT** (Convolvulac.).

*sect. Coccineae* T.G. Buch in *Bot. Zhurn.*, 73(6): 900 (1988).

*oculatus* Naud. ex Huber, *Cat. Gén. 1870 & 1871*: 6 (1870); cf. *D.J. Mabberley in Taxon*, 34(3): 452 (1985)—Locality not stated.

*purpureus* Huber, *Cat. Gén. 1870 & 1871*: 6 (1870); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.

**QUARARIBEA** (Bombacac.).

*aurantiocalyx* W.S. Alverson in *Brittonia*, 41(1): 68 (1989)—Costa Rica, Panama.

*costaricensis* W.S. Alverson in *Brittonia*, 41(1): 70 (1989)—Costa Rica.

*funebri*

*subsp. nicaraguensis* W.S. Alverson in *Ann. Missouri Bot. Gard.*, 74(4): 919 (1987 publ. 1988)—Nicaragua.

*gomeziana* W.S. Alverson in *Brittonia*, 41(1): 61 (1989)—Costa Rica, Panama.

*longipes* (Little) O.M. Montiel in *Phytologia*, 64(5): 336 (1988): *Matisia longipes*.

*pendula* W.S. Alverson in *Brittonia*, 41(1): 64 (1989)—Costa Rica, Panama.

*santaritensis* W.S. Alverson in *Brittonia*, 41(1): 66 (1989)—Panama.

**QUATERNELLA** T.M. Pedersen in *Bull. Mus.*

*Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 92 (1990). *AMARANTHACEAE*.

*confusa* T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 94 (1990)—Brazil.

**QUELTIA** (Amaryllidac.).

*capax* Salisb. ex Haw., *Suppl. Pl. Succ.*: 128 (1819); cf. *D.J. Mabberley in Taxon*, 31(1): 71 (1982)—Locality not stated.

**QUERCUS** (Fagac.).

*acuta* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 858 (1784)—Japan.†

× *alienocrispula* H. Ohba in *J. Jap. Bot.*, 64(11): 322 (1989)—Japan. (Q. aliena × *crispula*).

*bawanglingensis* C.C. Huang, Z.X. Li & F.W. Xing in *Guihaia*, 10(1): 10 (1990), contrary to Art. 37.5 ICBN (1988)—Hainan.

× *beckyae* B.D. Gaynor in *Mich. Bot.*, 26(2): 65 (1987)—U.S.A. (Michigan). (Q. macrocarpa × *prinoides*).

*crispula*

*var. horikawae* H. Ohba in *J. Jap. Bot.*, 64(11): 321 (1989)—Japan.

*cuspidata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 858 (1784)—Japan.†

*dentata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 858 (1784)—Japan.†

*faginea*

*var. oscensis* P. Montserrat in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 22: 62 (1986–87 publ. 1988)—Spain.

*frainetto* M. Tenore, *Fl. Napol.* 1, Prodr. Supp. II: lxxii (?1813)—Italy.

*gambelii*

*var. bonina* S.L. Welsh in *Great Basin Nat.*, 46(1): 108 (1986)—U.S.A. (Utah).

*glabra* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 858 (1784)—Japan.†

*glauca* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 858 (1784)—Japan.†

*var. podocupula* C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 53 (1984)—Taiwan.

*gussonei* (Borzi) S. Brullo in *Not. Fitosoc.*, 19(1): 205 (1984): Q. *cerris* var. *gussonei*.

**QUERCUS** :-

- havardii*  
*var. tuckeri* S.L. Welsh in *Great Basin Nat.*, 46(1): 109 (1986)—U.S.A (Utah).
- humilis*  
*subsp. lanuginosa* (Lam.) J. do Amaral Franco & G. López González in *An. Jard. Bot. Madrid*, 44(2): 557 (1987): *Q. robur* var. *lanuginosa*.
- liaoi* C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 55 (1984)—Taiwan.
- longinux*  
*var. kuoi* (Liao) C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 56 (1984): *Cyclobalanopsis longinux* var. *kuoi*.
- mongolica*  
*var. crispula* (Blume) H. Ohashi in *J. Jap. Bot.*, 63(1): 13 (1988): *Q. crispula*.
- ningqiangensis* S.Z. Qu & W.H. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 6(1): 52 (1986)—China.
- petraea*  
*subsp. huguetiana* J. do Amaral Franco & G. López González in *An. Jard. Bot. Madrid*, 44(2): 556 (1987)—Spain.
- salicina*  
*f. angusta* (Nakai) H. Ohba in *J. Jap. Bot.*, 64(11): 323 (1989): *Q. stenophylla* var. *angusta*.  
*var. asiatica* C.F. Shen in C.F. Shen & T.S. Liu, *Taxon. & Pollen Morph. Fagaceae Taiwan*: 63 (1984)—Taiwan.  
*f. latifolia* (Nakai) H. Ohba in *J. Jap. Bot.*, 64(11): 323 (1989): *Q. stenophylla* var. *latifolia*.  
*var. stenophyllodes* (Hayata) S.S. Ying in *Quart. J. Chinese Forest.*, 21(2): 112 (1988): *Q. stenophyllodes*.
- semicarpifolia*  
*var. miyabei* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 195 (1988): *Q. spinosa* var. *miyabei*.
- tsinglingensis* Liou ex S.Z. Qu & W.H. Zhang in *Acta Bot. Bor.-Occid. Sin.*, 6(1): 54 (1986)—China.
- × *wagneri* B.D. Gaynor in *Mich. Bot.*, 26(2): 67 (1987)—U.S.A. (Michigan). (*Q. bicolor* × *prinoides*).

**QUESNELIA** (Bromeliac.).

- edmundoi*  
*var. intermedia* E. Pereira & E.M.C. Leme in *Brasil Florest.*, 13(59): 41 (1984)—Brazil.

**QUIINA** (Quiinac.).

- colonensis* (W.G. D'Arcy) W.G. D'Arcy, *Fl. Panama Checklist & Index*, 2 (Monogr. Syst. Bot. Missouri Bot. Gard. 18): 534, 337 (1987): *Lacunaria colonensis*.

**QUINQUEREMULUS** Paul G. Wilson in *Nuytsia*, 6(1): 1 (1987). **COMPOSITAE**.

- linearis* Paul G. Wilson in *Nuytsia*, 6(1): 1 (1987)—Australia (W. Australia).

**R****RABDOSIA** (Labiata.).

- excisa*  
*var. chiisanensis* (Nakai) G. Murata in *Acta Phytotax. Geobot.*, 40(1-4): 100 (1989): *Amethystanthus excisus* var. *chiisanensis*.
- megathyrsoides* H.W. Li in *Fl. Xizangica*, 4: 221 (1985)—Xizang.
- rubescens*  
*f. lushanensis* Z.Y. Gao & Y.R. Li in *Acta Phytotax. Sin.*, 24(1): 15 (1986)—China.  
*var. lushiensis* Z.Y. Gao & Y.R. Li in *Acta Phytotax. Sin.*, 24(1): 16 (1986)—China.  
*var. taihangensis* Z.Y. Gao & Y.R. Li in *Acta Phytotax. Sin.*, 24(1): 15 (1986)—China.

**RACEMOBAMBOS** (Gramin.).

- ciliata* (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 365 (1989): *Arundinaria ciliata*.

**RACEMOBAMBOS** :-

- microphylla* (Hsueh & Yi) Keng f. & T.H. Wen in *J. Bamboo Res.*, 5(2): 13 (1986): *Neomicrocalamus microphyllus*.
- prainii* (Gamble) Keng f. & T.H. Wen in *J. Bamboo Res.*, 5(2): 13 (1986): *Microcalamus prainii*.
- yunnanensis* T.H. Wen in *J. Bamboo Res.*, 5(2): 11 (1986)—China.

**RACOSPERMA** C. Martius in *Hortus Regius*

- Monacensis Seminifer* (1835); cf. L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 239 (1986), nom. nov.: *Acacia* sect. *Phyllodineae* A.P. de Candolle (Legumin.).
- sect. *Lycopodiifolia* (Pedley) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 240 (1986): *Acacia* sect. *Lycopodiifoliae*.
- sect. *Plurinervia* (Bentham) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 240 (1986): *Acacia* ser. *Plurinerves*.
- sect. *Pulchella* (Bentham) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 240 (1986): *Acacia* ser. *Pulchellae*.
- acradenia* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia acradenia*.
- adenogonium* L. Pedley in *Austrobaileya*, 2(4): 316 (1987), nom. nov.: *Acacia deltoidea* var. *pungens* Bentham.
- adsurgens* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia adsurgens*.
- aduncum* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia adunca*.
- allenianum* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia alleniana*.
- amblygonum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia amblygona*.
- ammobium* (Macconochie) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 247 (1986): *Acacia ammobia*.
- ammophilum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia ammophila*.
- ancistrocarpum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia ancistrocarpa*.
- aneurum* (F. Muell. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia aneura*.
- angustum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia angusta*.
- aprepium* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia aprepta*.
- argyraeum* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 344 (1987): *Acacia argyrea*.
- argyrodendron* (Domin) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia argyrodendron*.
- armillatum* L. Pedley in *Austrobaileya*, 2(4): 325 (1987)—Australia (Queensland).
- armitii* (F. Muell. ex Maiden) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia armitii*.
- asperulaceum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia asperulacea*.
- attenuatum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia attenuata*.
- aulocarpum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia aulocarpa*.
- var. fruticosum* (C. White) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia aulocarpa* var. *fruticosa*.
- auriculiforme* (Cunningham ex Bentham) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 247 (1986): *Acacia auriculiformis*.
- axillare* (Bentham) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia axillaris*.
- bauerlenii* (Maiden & R. Baker) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia bauerlenii*.
- baileyanum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia baileyana*.
- bakeri* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia bakeri*.
- bancroftii* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia bancroftii*.
- baueri* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia baueri*.
- beckleri* (Tindale) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia beckleri*.
- betchei* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia betchei*.
- binervatum* (DC.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia binervata*.
- blakei* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia blakei*.

**RACOSPERMA** :-

- subsp. diphyllum* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia diphylla*.
- brachycarpum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia brachycarpa*.
- brachystachyum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia brachystachya*.
- brassii* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 345 (1987): *Acacia brassii*.
- brownei* (Poiret) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Mimosa browni*.
- brunioides* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia brunioides*.
- subsp. graniticum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia brunioides* subsp. *granitica*.
- burbidgeae* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia burbridgeae*.
- burrowii* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia burrowii*.
- buxifolium* (Cunn.) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia buxifolia*.
- subsp. pubiflorum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia buxifolia* subsp. *pubiflora*.
- calanthum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia calantha*.
- calicicola* (Forde & Ising) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia calicicola*.
- calyculatum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia calyculata*.
- camagei* (R. Baker) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia camagei*.
- canum* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia cana*.
- caroleae* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia caroleae*.
- catenulatum* (C. White) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia catenulata*.
- centrinervium* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia centrinervia*.
- chinchillense* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia chinchillensis*.
- chippendalei* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia chippendalei*.
- chisholmii* (Bailey) L. Pedley in *Austrobaileya*, 2(4): 346 (1987): *Acacia chisholmii*.
- cinnamatum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia cinnamata*.
- complanatum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia complanata*.
- concurrans* (Pedley) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia concurrans*.
- confertum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia conferta*.
- confluens* (Maiden & Blakely) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia confluens*.
- confusum* (Merrill) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia confusa*.
- conjunctifolium* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia conjunctifolia*.
- coriaceum* (DC.) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia coriacea*.
- cowleanum* (Tate) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia cowleana*.
- crassicaupum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia crassicaupum*.
- crassum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia crassa*.
- subsp. longicomum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia crassa* subsp. *longicoma*.
- cretatum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia cretata*.
- crombiei* (C. White) L. Pedley in *Bot. J. Linn. Soc.*, 92(3): 247 (1986): *Acacia crombiei*.
- cultriforme* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia cultriformis*.
- curranii* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia curranii*.
- cyperophyllum* (F. Muell. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia cyperophylla*.
- dawsonii* (R. Baker) L. Pedley in *Austrobaileya*, 2(4): 347 (1987): *Acacia dawsonii*.



**RACOSPERMA :-**

- dealbatum (Link) L. *Pedley in Austrobaileya*, 2(4): 358 (1987): *Acacia dealbata*.
- deanei (R.T. Baker) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia decurrens* var. *deanei*.
- debile (Tindale) L. *Pedley in Austrobaileya*, 2(4): 347 (1987): *Acacia debilis*.
- decorum (H.G. Reichb.) L. *Pedley in Austrobaileya*, 2(4): 347 (1987): *Acacia decora*.
- decurrens (Willd.) L. *Pedley in Austrobaileya*, 2(4): 358 (1987): *Acacia decurrens*.
- deltoideum (Cunn. ex G. Don) L. *Pedley in Austrobaileya*, 2(4): 315 (1987): *Acacia deltoidea*.
- deutroneurum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 347 (1987): *Acacia deutroneura*.
- dictyophlebium (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 347 (1987): *Acacia dictyophleba*.
- dietrichianum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 347 (1987): *Acacia dietrichiana*.
- difficile (Maiden) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia difficilis*.
- dimidiatum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia dimidiata*.
- drepanocarpum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia drepanocarpa*.
- subsp. latifolium (Pedley) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia drepanocarpa* subsp. *latifolia*.
- elatum (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 358 (1987): *Acacia elata*.
- ensifolium (Pedley) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia ensifolia*.
- eremophiloides (Pedley & P. Forster) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia eremophiloides*.
- estrophilatum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia estrophilata*.
- everistii (Pedley) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia everistii*.
- excelsum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia excelsa*.
- subsp. angustum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia excelsa* subsp. *angusta*.
- falcatum (Willd.) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia falcata*.
- falciforme (DC.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia falciformis*.
- fasciculiferum (F. Muell. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia fasciculifera*.
- filicifolium (Cheel & Welch) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia filicifolia*.
- fimbriatum (Cunn. ex G. Don) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia fimbriata*.
- flavescens (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia flavescens*.
- fleckeri (Pedley) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia fleckeri*.
- flexifolium (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia flexifolia*.
- floribundum (Vent.) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Mimosa floribunda*.
- floydii (Tindale) L. *Pedley in Austrobaileya*, 2(4): 348 (1987): *Acacia floydii*.
- froggattii (Maiden) L. *Pedley in Austrobaileya*, 2(4): 318 (1987): *Acacia froggattii*.
- galioides (Benth.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia galioides*.
- georgense (Tindale) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia georgensis*.
- georginae (Bailey) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia georginae*.
- gittinsii (Pedley) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia gittinsii*.
- glauocarpum (Maiden & Blakely) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia glauocarpa*.
- gnidium (Benth.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia gnidium*.
- gonocladum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia gonoclada*.
- grandifolium (Pedley) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia grandifolia*.
- graniticum (Maiden) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia granitica*.

**RACOSPERMA :-**

- gunnii (Benth.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia gunnii*.
- guymeri (Tindale) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia guymeri*.
- hakeoides (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hakeoides*.
- hammondii (Maiden) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hammondii*.
- handonis (Pedley) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia handonis*.
- harpophyllum (F. Muell. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia harpophylla*.
- hemignostum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hemignosta*.
- hemsleyi (Maiden) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hemsleyi*.
- hillianum (Maiden) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hilliana*.
- hockingsii (Pedley) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia hockingsii*.
- holosericeum (Cunn. ex G. Don) L. *Pedley in Austrobaileya*, 2(4): 349 (1987): *Acacia holosericea*.
- holotrichum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia holotricha*.
- homalocladium (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia homaloclada*.
- hubbardianum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia hubbardiana*.
- humifusum (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia humifusa*.
- hyaloneurum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia hyaloneura*.
- hylonomum (Pedley) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia hylonoma*.
- implexum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia implexa*.
- irroratum (Sieber ex Sprengel) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia irrorata*.
- islanum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia islana*.
- ixiophyllum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia ixiophylla*.
- ixodes (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia ixodes*.
- jackesianum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia jackesiana*.
- johnsonii (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia johnsonii*.
- jucundum (Maiden & Blakely) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia jucunda*.
- juliferum (Benth.) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia julifera*.
- subsp. curvinervium (Maiden) L. *Pedley in Austrobaileya*, 2(5): 571 (1988): *Acacia curvinervia*.
- subsp. gilbertense (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia julifera* subsp. *gilbertensis*.
- juncifolium (Benth.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia juncifolia*.
- kauaiense (Hillebrand) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia kauaiensis*.
- kempeanum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia kempeana*.
- koa (A. Gray) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia koa*.
- laccatum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia laccata*.
- lanigerum (Cunn.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia lanigera*.
- latescens (Benth.) L. *Pedley in Austrobaileya*, 2(5): 571 (1988): *Acacia latescens*.
- latifolium (Benth.) L. *Pedley in Austrobaileya*, 2(4): 350 (1987): *Acacia latifolia*.
- latisepalum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia latisepala*.
- lautum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia lauta*.
- lazaridis (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia lazardis*.
- legnotum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia legnota*.
- leichhardtii (Benth.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leichhardtii*.
- leicalyx (Domin) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia glaucescens* var. *leicalyx*.

**RACOSPERMA :-**

- leptocarpum (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leptocarpa*.
- leptolobum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leptoloba*.
- leptostachyum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leptostachya*.
- leucocladum (Tindale) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leucoclada*.
- subsp. argentifolium (Tindale) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia leucoclada* subsp. *argentifolia*.
- ligulatum (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia ligulata*.
- limbatum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia limbata*.
- lineatum (Cunn. ex G. Don) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia lineata*.
- longipedunculatum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia longipedunculata*.
- longispicatum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia longispicata*.
- subsp. velutinum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 351 (1987): *Acacia longispicata* subsp. *velutina*.
- longissimum (H. Wendl.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia longissima*.
- lorolobum (Tindale) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia loroloba*.
- lycopodiifolium (Cunn. ex Hooker) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 240 (1986): *Acacia lycopodiifolia*.
- lysiplioium (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia lysiplioia*.
- macdonnellense (Maconochie) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia macdonnellensis*.
- macradenium (Benth.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia macradenia*.
- maidenii (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia maidenii*.
- maitlandii (F. Muell.) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 248 (1986): *Acacia maitlandii*.
- mangium (Willd.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia mangium*.
- maranoense (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia maranoensis*.
- mearnsii (De Wildeman) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 249 (1986): *et in Austrobaileya*, 2(4): 358 (1987): *Acacia mearnsii*.
- megalanthum (F. Muell.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia megalantha*.
- meiospermum L. *Pedley in Austrobaileya*, 2(4): 321 (1987)—Australia (Queensland).
- melanoxylon (R. Br.) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 240 (1986): *Acacia melanoxylon*.
- melleodorum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia melleodora*.
- melvillei (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia melvillei*.
- microcephalum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia microcephala*.
- microspermum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia microsperma*.
- mimulum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia mimula*.
- montanum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia montana*.
- monticola (J. Black) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia monticola*.
- muellerianum (Maiden & R. Baker) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia muelleriana*.
- multisiliquum (Benth.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia simsii* var. *multisiliqua*.
- murrayanum (F. Muell. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 352 (1987): *Acacia murrayana*.
- nelsonii (Maslin) L. *Pedley in Bot. J. Linn. Soc.*, 92(3): 249 (1986): *Acacia nelsonii*.
- neriifolium (Cunn. ex Benth.) L. *Pedley in Austrobaileya*, 2(4): 353 (1987): *Acacia neriifolia*.
- subsp. pustulum (Maiden & Blakely) L. *Pedley in Austrobaileya*, 2(4): 353 (1987): *Acacia pustula*.
- nesophilum (Pedley) L. *Pedley in Austrobaileya*, 2(4): 353 (1987): *Acacia nesophila*.
- nuperrimum (E.G. Baker) L. *Pedley in Austrobaileya*, 2(4): 353 (1987): *Acacia nuperrima*.

**RACOSPERMA :-**

- subsp. cassiterum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia nuperrima* subsp. *cassiterum*.  
*obtusifolium* (Cunn.) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia obtusifolia*.  
*olganum* (Maconochie) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia olgana*.  
*oligophlebium* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia oligophleba*.  
*omalophyllum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia omalophylla*.  
*ommatospermum* L. Pedley in *Austrobaileya*, 2(4): 327 (1987)—Australia (Queensland).  
*orarium* (F. Mueller) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia oraria*.  
*orites* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia orites*.  
*orthocarpum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia orthocarpa*.  
*oshanesii* (F. Muell. & Maiden) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia oshanesii*.  
*oswaldii* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia oswaldii*.  
*paniculatum* L. Pedley in *Austrobaileya*, 2(4): 324 (1987)—Australia (Queensland).  
*parramattense* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 358 (1987): *Acacia parramattensis*.  
*pendulum* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia pendula*.  
*penninerve* (Sieber ex DC.) L. Pedley in Bot. J. Linn. Soc., 92(3): 239 (1986): *Acacia penninervis*.  
*var. longiracemosum* (Domin) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia penninervis* var. *longiracemosum*.  
*perangustum* (C. White) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia fimbriata* var. *perangusta*.  
*perryi* (Pedley) L. Pedley in *Austrobaileya*, 2(5): 571 (1988): *Acacia perryi*.  
*petraeum* (Pedley) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia petraea*.  
*peuce* (F. Mueller) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia peuce*.  
*phlebocarpum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 353 (1987): *Acacia phlebocarpa*.  
*platycarpum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia platycarpa*.  
*plectocarpum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia plectocarpa*.  
*subsp. tanumbirinese* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia tanumbirinese*.  
*podalyriifolium* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia podalyriifolia*.  
*polifolium* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia polifolia*.  
*polyadenium* L. Pedley in *Austrobaileya*, 2(4): 322 (1987)—Australia (Queensland).  
*polybotryum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia polybotrya*.  
*polystachyum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia polystachya*.  
*pravifolium* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia pravifolia*.  
*pravissimum* (F. Muell. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 359 (1987): *Acacia pravissima*.  
*pruinosa* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia pruinosa*.  
*pubicostum* (C. White) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia pubicosta*.  
*pubifolium* (Pedley) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986); et in *Austrobaileya*, 2(4): 354 (1987): *Acacia pubifolia*.  
*pubirhachis* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia pubirhachis*.  
*pulchellum* (R. Br.) L. Pedley in Bot. J. Linn. Soc., 92(3): 240 (1986): *Acacia pulchella*.  
*purpureipetalum* (Bailey) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia purpureapetala*.  
*pyncnostachyum* (F. Mueller) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia pyncnostachya*.  
*quadrilaterale* (DC.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia quadrilateralis*.  
*ramiflorum* (Domin) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia ramiflora*.

**RACOSPERMA :-**

- ramulosum* (W.V. Fitzg.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia ramulosa*.  
*resinocostatum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia resinocostata*.  
*retiveneum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia retivenea*.  
*rhodoxylon* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 354 (1987): *Acacia rhodoxylon*.  
*riceanum* (Henslow) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia riceana*.  
*rigens* (Cunn. ex G. Don) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia rigens*.  
*rothii* (Bailey) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia rothii*.  
*rubidum* (Cunn.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia rubida*.  
*ruppii* (Maiden & Betcher) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia ruppii*.  
*salicinum* (Lindley) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia salicina*.  
*salignum* (Labill.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Mimosa saligna*.  
*saxicola* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia saxicola*.  
*semilunatum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia semilunata*.  
*semirigidum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia semirigida*.  
*shirleyi* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia shirleyi*.  
*simplex* (Sparman) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Mimosa simplex*.  
*simsii* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia simsii*.  
*spanium* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia spania*.  
*sparsiflorum* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia sparsiflora*.  
*spectabile* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia spectabilis*.  
*spirorbe* (Labill.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia spirorbis*.  
*subsp. solandri* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia solandri*.  
*spondylophyllum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia spondylophylla*.  
*stenophyllum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 355 (1987): *Acacia stenophylla*.  
*stipuligerum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia stipuligera*.  
*subsp. glabrifolium* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia stipuligera* var. *glabrifolia*.  
*stipulosum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 317 (1987): *Acacia stipulosa*.  
*storyi* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia storyi*.  
*stowardii* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia stowardii*.  
*striatifolium* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia striatifolia*.  
*strongylophyllum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia strongylophylla*.  
*sublanatum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 318 (1987): *Acacia sublanata*.  
*tenuinerve* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia tenuinervis*.  
*tenuissimum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia tenuissima*.  
*tephrinum* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia tephrina*.  
*tetragonophyllum* (F. Muell.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia tetragonophylla*.  
*tindaleae* (Pedley) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia tindaleae*.  
*torulosum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia torulosa*.  
*translucens* (Cunn. ex Hook.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia translucens*.  
*tripterum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia triptera*.  
*tropicum* (Maiden & Blakely) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia cunninghamii* var. *tropica*.

**RACOSPERMA :-**

- ulicifolium* (Salisb.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Mimosa ulicifolia*.  
*umbellatum* (Cunn. ex Benth.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia umbellata*.  
*unciferum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 356 (1987): *Acacia uncifera*.  
*uncinatum* (Lindley) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia uncinata*.  
*validinervium* (Maiden & Blakely) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia validinervia*.  
*venulosum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia venulosa*.  
*verniciifolium* (Cunn.) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia verniciiflua*.  
*verticillatum*  
*var. latifolium* L. Pedley in *Austrobaileya*, 2(4): 358 (1987), nom. nov.: *Acacia verticillata* var. *latifolia* Benth.  
*victoriae* (Benth.) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986); et in *Austrobaileya*, 2(4): 357 (1987): *Acacia victoriae*.  
*viscidulum* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia viscidula*.  
*wardellii* (Tindale) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia wardellii*.  
*wetarensis* (Pedley) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia wetarensis*.  
*whitei* (Maiden) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia whitei*.  
*wickhamii* (Benth.) L. Pedley in *Austrobaileya*, 2(4): 357 (1987): *Acacia wickhamii*.  
*xiphocladum* (Baker) L. Pedley in Bot. J. Linn. Soc., 92(3): 249 (1986): *Acacia xiphoclada*.

**RADIUSIA (Legumin.).**

- alopecuroides* (L.) Endl., Cat. Horti Vindob., 2: 517 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): *Sophora alopecuroides*.  
*flavescens* (Ait.) Endl., Cat. Horti Vindob., 2: 517 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): *Sophora flavescens*.

**RAFFLESIA (Rafflesiaceae).**

- tengku-adlinii* K. Mat Salleh & A. Latiff in *Blumea*, 34(1): 112 (1989)—Borneo (Sabah).

**RAIMUNDOCHLOA** A.M. Molina in *Parodiana*, 4(2): 402 (1986 publ. 1987), nom. nov.: gen. *Parodiachloa* A.M. Molina (Gramin.).  
*trachyantha* (Phil.) A.M. Molina in *Parodiana*, 4(2): 402 (1986 publ. 1987), without exact basionym page: *Koeleria trachyantha*.

**RAJANIA (Dioscoreaceae).**

- hexaphylla* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 888 (1784)—Japan.†  
*quinata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 888 (1784)—Japan.†

**×RAMBERLEA** J. Halda in *Preslia*, 61(2): 127 (1989). *GESNERIACEAE*. (*Haberlea* × *Ramonda*).  
*kistlerae* J. Halda in *Preslia*, 61(2): 127 (1989)—Cultivation. (*Haberlea rhodopensis* × *Ramonda myconi*).

**RAMOSMANIA (Rubiaceae).**

- rodriguesii* D.D. Tirvengadam in *Compte R. Séances Soc. Biogéogr.*, 65(1): 14 (1989)—Rodrigues Is.

**RANDIA (Rubiaceae).**

- subgen. Ceriscoides* (Hook. f.) D.D. Tirvengadam in *Ceylon J. Sci., Biol. Sci.*, 14(1–2): 5 (1981): *Gardenia* sect. *Ceriscoides*.  
*subgen. Ceriscus* (Benth. & Hook. f.) D.D. Tirvengadam in *Ceylon J. Sci., Biol. Sci.*, 14(1–2): 4 (1981), as '(Gaertn. f.): R. sect. *Ceriscus*.  
*guerrerensis* D.H. Lorence & M. Rodríguez Acosta in *Biotica*, 11(3): 195 (1986)—Mexico.  
*hidalgensis* D.H. Lorence in *Bol. Soc. Bot. Méx.*, 47: 38 (1987)—Mexico.  
*lonicerioides* J.D. Dwyer & D.H. Lorence in *Bol. Soc. Bot. Méx.*, 47: 40 (1987)—Mexico, Costa Rica.  
*matudae* D.H. Lorence & J.D. Dwyer in *Bol. Soc. Bot. Méx.*, 47: 42 (1987), nom. nov.: *Casasia chiapensis* Miranda.  
*pterocharpa* D.H. Lorence & J.D. Dwyer in *Bol. Soc. Bot. Méx.*, 47: 43 (1987)—Mexico.

**RANDIA** :—

- retroflexa D.H. Lorence & M. Nee in *Brittonia*, 39(3): 371 (1987)—Mexico.  
 sericantha W.C. Chen in *Guihaia*, 7(4): 298 (1987)—China.  
 turgida (Roxb.) D.D. Tirvengadam in *Ceylon J. Sci., Biol. Sci.*, 14(1–2): 5 (1981): *Gardenia turgida*.  
 vazquezii D.H. Lorence & J.D. Dwyer in *Bol. Soc. Bot. Méx.*, 47: 46 (1987)—Mexico.

**RANGAERIS** (Orchidac.).

- schliebenii (Mansf.) P.J. Cribb in *Fl. Trop. E. Afr., Orchidac. (Part 3)*: 570 (1989): *Leptocentrum schliebenii*.

**RANUNCULUS** (Ranunculac.).

- sect. *Parviflori* A.G. Elenevskii & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 94(1): 121 (1989).  
 abaensis W.T. Wang in *Acta Phytotax. Sin.*, 25(1): 36 (1987)—China.  
 acris  
   *var. aestivalis* (L. Benson) S.L. Welsh in *Great Basin Nat.*, 46(2): 260 (1986): *R. acriformis* *var. aestivalis*.  
 aggregatus Hort. Vind. ex Capelli, *Cat. Stirp. Reg. Hort. Bot. Taur.*: 47 (1821); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982)—Locality not stated.  
 alaschanicus Y.Z. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 64 (1989)—China.  
 altaicus  
   *subsp. shinano-alpinus* (Ohwi) Y. Kadota in *Bull. Nation. Sci. Mus., B (Tokyo)*, 16(2): 80 (1990): *R. shinano-alpinus*.  
   *subsp. sulphureus* (Soland.) Y. Kadota in *Bull. Nation. Sci. Mus., B (Tokyo)*, 16(2): 82 (1990), as 'sulphureus': *R. sulphureus*.  
 altus P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 125 (1987)—New Zealand.  
 andersonii  
   *var. juniperinus* (Jones) S.L. Welsh in *Great Basin Nat.*, 46(2): 260 (1986): *R. juniperinus*.  
 arvensis  
   *var. echinatisissimus* (Blatter) R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 4(1–2): 184 (1988): *R. echinatisissimus*.  
 ashibetsuensis G. Wiegleb in *Acta Phytotax. Geobot.*, 39(4–6): 130 (1988)—Japan.  
 auricomus  
   *subsp. eversii* E. Julin in *Mem. Soc. Fauna Flora Fenn.*, 62(4): 120 (1986)—Sweden.  
 balangshanicus W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 105 (1987)—China.  
 bonariensis  
   *subsp. jaunarii* (Urban) J. Molero in *Fontqueria*, 7: 19 (1985): *R. bonariensis* *var. jaunarii*.  
   *subsp. phyteumifolius* (St.-Hil.) J. Molero in *Fontqueria*, 7: 19 (1985): *Casalea phyteumifolia*.  
   *subsp. trisepalus* (Gill. ex Hook. & Arnott) J. Molero in *Fontqueria*, 7: 19 (1985): *R. trisepalus*.  
 brevis P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987), nom. nov.: *R. depressus* Kirk.  
 brutius  
   *subsp. crimaecus* (Juz.) A.G. Elenevskii in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 94(1): 114 (1989): *R. crimaecus*.  
 cassubicus  
   *subsp. kemeroensis* G. Kvist in *Ann. Bot. Fenn.*, 24(1): 79 (1987)—U.S.S.R. (Siberia).  
 caucasicus  
   *subsp. pavlii* A.G. Elenevskii & T.G. Derviz-Sokolova in *Novosti Sist. Vyssh. Rast.*, 23: 56 (1986)—U.S.S.R. (Crimea).  
 collicolus Y. Menadue in *Brunonia*, 8(2): 373 (1986)—Tasmania.  
 cuneilaminatus W. Greuter & Burdet in *Willdenowia*, 19(1): 45 (1989), nom. nov.: *R. cuneatus* Boiss.  
 ×digeneus Kerner ex W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 120 (1988)—Austria. (*R. parnassifolius* × *seguieri*).  
   *nothosubsp. latemarensis* W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 122 (1988)—Italy. (*R. parnassifolius* *subsp. heterocarpus* × *seguieri*).  
 dissectus  
   *subsp. aragazii* (Grossh.) Yu.I. Bulan'yi & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 91(6): 107 (1986): *R. aragazii*.

**RANUNCULUS** :—

- subsp. szowitsianus* (Boiss.) A.G. Elenevskii & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 91(6): 107 (1986): *R. szowitsianus*.  
 fallax  
   *subsp. altior* (Marklund) G. Kvist & J. Jalas in *Ann. Bot. Fenn.*, 24(2): 222 (1987): *R. altior*.  
 fiorii Pignatti ex A. Soldano in *Atti Soc. Ital. Sci. Nat. Mus. Civ. Stor. Nat. Milano*, 127(3–4): 216 (1986), nom. nov.: *R. insubricus* Pignatti.  
 hirtellus  
   *var. parciflorus* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 12 (1987)—Pakistan.  
 ×intermediifolius W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 35 (1988)—Italy. (*R. aconitifolius* × *platanifolius*).  
 intramontolicus Y.Z. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 69 (1989)—China.  
 jugosus Y. Menadue in *Brunonia*, 8(2): 377 (1986)—Tasmania.  
 ×kelchoensis S.D. Webster in *Watsonia*, 18(2): 142 (1990)—Great Britain, Ireland, France. (*R. fluitans* × *peltatus*).  
 kohistanensis R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 16 (1987), nom. nov.: *R. saxatilis* R.A. Qureshi & M.N. Chaudhri.  
 kuepferi W. Greuter & Burdet in *Willdenowia*, 16(2): 452 (1987), nom. nov.: *R. plantagineus* *subsp. occidentalis* Küpfer.  
   *subsp. orientalis* W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 59 (1988)—Switzerland.  
 kurdicus W. Greuter & Burdet in *Willdenowia*, 19(1): 46 (1989), nom. nov.: *R. diversifolius* Boiss. & Kotschy.  
 ×lacerus  
   *nothosubsp. valesiacus* (Suter) W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 66 (1988): *R. valesiacus*.  
 laetus  
   *subsp. chitralicus* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 14 (1987)—Pakistan.  
   *var. latifolius* R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 3(1): 14 (1987)—Pakistan.  
 lambayequeensis T. Duncan & A. Sagástegui-Alva in *Brittonia*, 42(3): 182 (1990)—Peru.  
 ×levenensis Druce ex R.J. Gornall in *Watsonia*, 16(4): 383 (1987)—Great Britain, Ireland, Norway, Sweden, U.S.S.R. (European Russia), Germany, Italy, Switzerland, ?Faeroes. (*R. flammula* × *reptans*).  
 longicaulis  
   *var. pseudohirculus* (Schrenk) I.A. Gubanov in *L.G. Byazrov et al., Fl. Khangaya*: 110 (1989): *R. pseudohirculus*.  
   *var. pulchellus* (C.A. Mey.) I.A. Gubanov in *L.G. Byazrov et al., Fl. Khangaya*: 110 (1989): *R. pulchellus*.  
 luminarius Pignatti ex W. Greuter in *Willdenowia*, 19(1): 46 (1989)—Italy.  
 lunaris T. Brodtbeck in *Bauhinia*, 9(1): 89 (1988)—Germany.  
 macrotis T. Brodtbeck in *Bauhinia*, 9(1): 85 (1988)—Switzerland, Germany.  
 malinovskii A.G. Elenevskii & T.G. Derviz-Sokolova in *Novosti Sist. Vyssh. Rast.*, 23: 59 (1986)—U.S.S.R. (Ukraine).  
 marginatus  
   *subsp. trachycarpus* (Fisch. & Mey.) A.G. Elenevskii & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 94(1): 117 (1989): *R. trachycarpus*.  
 membranifolius (Kirk) P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987): *R. hirtus* *var. membranifolius*.  
 minor (L. Liou) W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 29 (1986): *R. involucrat* *var. minor*.  
 mirus P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987), nom. nov.: *R. hirtus* *var. gracilis* Cheeseman.  
 muscigenus W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 30 (1986)—Xizang.  
 nephelogenes  
   *var. geniculatus* (Hand.-Mazz.) W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 109 (1987): *R. pulchellus* *var. geniculatus*.  
   *var. longicaulis* (C.A. Mey.) W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 110 (1987), as '(Trautv.)': *R. longicaulis*.

**RANUNCULUS** :—

- var. pubescens* W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 110 (1987)—China, Xizang.  
 nipponicus  
   *var. ohtagawensis* G. Wiegleb in *Acta Phytotax. Geobot.*, 39(4–6): 129 (1988)—Japan.  
   *var. okayamensis* G. Wiegleb in *Acta Phytotax. Geobot.*, 39(4–6): 129 (1988)—Japan.  
 ×novae-forestae S.D. Webster in *Watsonia*, 18(2): 139 (1990)—Great Britain. (*R. omiophyllus* × *tripartitus*).  
 paludosus  
   *subsp. barceloi* (Grau) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 820 (1990), without basionym date: *R. barceloi*.  
   *subsp. millefoliatus* (Grau) S. Rivas-Martínez in *Lazaroa*, 8: 425 (1985 publ. 1986): *R. millefoliatus*.  
   *subsp. pseudomillefoliatus* (Grau) N. Marcos Samaniego & A. Velasco Negueruela in *Bol. Soc. Brot.*, 60: 73 (1987), without exact basionym page or date: *R. pseudomillefoliatus*.  
 pedatus  
   *subsp. silvesteppaceus* (Dubovik) A.G. Elenevskii & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 94(1): 120 (1989): *R. silvesteppaceus*.  
 penicillatus  
   *subsp. pseudofluitans* (Syme) S.D. Webster in *Watsonia*, 17(1): 20 (1988): *R. aquatilis* *var. pseudofluitans*.  
   *var. pseudofluitans* (Syme) S.D. Webster in *Watsonia*, 17(1): 20 (1988): *R. aquatilis* *var. pseudofluitans*.  
 polyanthemus  
   *subsp. polyanthemophyllus* (W. Koch & H. Hess) M. Baltisberger in *Ann. Bot. Fenn.*, 25(3): 293 (1988): *R. polyanthemophyllus*.  
   *subsp. serpens* (Schrank) M. Baltisberger in *Ann. Bot. Fenn.*, 25(3): 293 (1988): *R. serpens*.  
 prasinus Y. Menadue in *Brunonia*, 8(2): 375 (1986)—Tasmania.  
 quelpaertensis  
   *var. albiflorus* Y.N. Lee in *Korean J. Bot.*, 25(4): 177 (1982)—Korea.  
 quinatus T. Brodtbeck in *Bauhinia*, 9(1): 83 (1988)—France, Switzerland.  
 reflexus P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987), nom. nov.: *R. hirtus* DC.  
 rigidulus (Boiss.) Yu.I. Bulan'yi & T.G. Derviz-Sokolova in *Novosti Sist. Vyssh. Rast.*, 24: 95 (1987): *R. huetii* *var. rigidulus*.  
 royleanus R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 4(1–2): 187 (1988), nom. nov., as 'royeanus': *R. polypetalus* D. Don.  
 rubrocalyx  
   *subsp. stewartii* (H. Riedl) R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 4(1–2): 167 (1988): *R. stewartii*.  
 sardous  
   *subsp. philonotis* (Ehrh.) A.G. Elenevskii & T.G. Derviz-Sokolova in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 94(1): 117 (1989): *R. philonotis*.  
 ×scissus W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 62 (1988)—Italy. (*R. kuepferi* × *platanifolius*).  
   *nothosubsp. disjunctus* W. Huber in *Veröff. Geobot. Inst. Rübel*, 100: 66 (1988)—France. (*R. kuepferi* *subsp. orientalis* × *platanifolius*).  
 scrithalis P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987)—New Zealand.  
 serpens  
   *subsp. polyanthemoides* (Boreau) M. Kerguelen & J. Lambinon in *Lejeunia*, 120: 149 (1987): *R. polyanthemoides*.  
   *subsp. polyanthemophyllus* (W. Koch & H. Hess) M. Kerguelen in *Lejeunia*, 120: 149 (1987): *R. polyanthemophyllus*.  
 silerifolius  
   *var. glaber* (H. Boiss.) M. Tamura in *Acta Phytotax. Geobot.*, 39(1–3): 93 (1988), without basionym date: *R. ternatus* *var. glaber*.  
   *var. yaegatakensis* (Masam.) H. Fujishima & H. Okada in *Bot. Mag. Tokyo*, 103(1069): 55 (1990): *R. yaegatakensis*.  
 simulans P.J. Garnock-Jones in *New Zealand J. Bot.*, 25(1): 126 (1987), nom. nov.: *R. depressus* *var. stewartiae* Simpson & J. Thomson.

**RANUNCULUS** :—

- sinovaginat W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 34 (1986), nom. nov.: *R. vaginatus* Hand.-Mazz.  
 spicatus  
   *subsp. aspromontanus* (Huter) W. Greuter & Burdet in *Willdenowia*, 19(1): 46 (1989): *R. aspromontanus*.  
   *subsp. maroccanus* (Cosson) W. Greuter & Burdet in *Willdenowia*, 19(1): 46 (1989): *R. cortusifolius* var. *maroccanus*.  
 stellaris T. Brodbeck in *Bauhinia*, 9(1): 92 (1988)—Germany, Switzerland.  
 supracondemiensis J. Grau, E. Bayer & G. López González in *Mitt. Bot. Staatssamml. München*, 28: 569 (1989)—Spain.  
 ternatus C.P. Thunberg ex A. Murray in *Linnaeus, subsp. Vesp.*, ed. 14: 516 (1784)—Japan.†  
 triangularis W.T. Wang in *Acta Phytotax. Sin.*, 25(1): 37 (1987)—China.  
 trichophyllus  
   var. *glaber* (Tamura) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 20 (11 June 1979), isonym; see M. Tamura in *Sci. Rep. Osaka Univ.*, 27(2): 114 (1978 publ. 31 March 1979): *Batrachium trichophyllum* var. *glabrum*.  
   var. *kadzusensis* (Makino) G. Wiegand in *Acta Phytotax. Geobot.*, 39(4-6): 128 (1988): *R. kadzusensis*.  
 tricuspid  
   var. *variifolia* (Tamura) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 14 (1990): *Halerpestes lancifolia* var. *variifolia*.  
 tuberculatus Kit. ex Hornem., *Hort. Hafn.*: 528 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.  
 vanensis P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 231, 20 (1988)—Turkey.  
 waziristanicus R.A. Qureshi & M.N. Chaudhri in *Pakistan Syst.*, 4(1-2): 158 (1988), nom. nov.: *R. nanus* Blatter.  
 xinningensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 10 (1989)—China.  
 yinshanensis (Y.Z. Zhao) Y.Z. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 67 (1989): *R. pulchellus* var. *yinshanensis*.  
 zhungdianensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 104 (1987)—China.

**RAOULIA** (Compos.).

- ×petrimia Kit Tan & R.J.D. McBeath in *Quart. Bull. Alp. Gard. Soc.*, 56(4): 311 (1988)—New Zealand. (*R. eximia* × *petriensis*).

**RAPANEA** (Myrsinac.).

- clemensiae H. Sleumer in *Blumea*, 31(2): 254 (1986)—New Guinea (Papua New Guinea).  
 coriifolia H. Sleumer in *Blumea*, 31(2): 248 (1986)—New Guinea (Papua New Guinea).  
 lamii H. Sleumer in *Blumea*, 31(2): 264 (1986)—New Guinea (Papua New Guinea, W. Irian).  
 minutifolia J. Knoester, M. Wijn & H. Sleumer in *Blumea*, 31(2): 252 (1986)—New Guinea (W. Irian, Papua New Guinea).  
 perakensis (King & Gamble) B.C. Stone in *Fed. Mus. J. (Kuala Lumpur)*, 26(1): 121 (1981): *Myrsine perakensis*.  
 ralstoniae P.S. Green in *Kew Bull.*, 45(2): 242 (1990)—Norfolk Is.  
 ralstoniae P.S. Green in *J. Arnold Arbor.*, 67(1): 113 (1986), nom. nov.: *Myrsine crassifolia* Endl.  
 velutina J. Knoester, M. Wijn & H. Sleumer in *Blumea*, 31(2): 251 (1986), nom. nov.: *R. nummularia* van Royen.  
 womersleyi H. Sleumer in *Blumea*, 31(2): 266 (1986)—New Guinea (Papua New Guinea, W. Irian).

**RAPATEA** (Rapateac.).

- aracamuniana J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 964 (1989)—Venezuela.  
 chimantensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 313 (1988)—Venezuela.

**RAPHANISTRUM** (Crucif.).

- segetale Henckel, *Enum. Pl. Region. Boruss.*: 172 (1817); cf. D.J. Mabberley in *Taxon*, 33(3): 444 (1984)—Locality not stated.

**RAPHIONACME** (Asclepiadac.).

- arabica A.G. Miller & J.A. Biagi in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 61 (1988)—Oman.  
 borenensis H.J.T. Venter & M.G. Gilbert in *Bot. J. Linn. Soc.*, 99(4): 401 (1989)—Ethiopia, Kenya, Somali Republic.  
 chimanimaniana H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 54(4): 380 (1988)—Zimbabwe.  
 elsana H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 53(2): 177 (1987)—South Africa (Natal).  
 lobulata H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 54(6): 603 (1988)—South Africa (Cape Province).  
 lucens H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 54(6): 607 (1988)—South Africa (Natal), Mozambique.  
 namibiana H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 52(4): 332 (1986)—Namibia.  
 palustris H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 52(2): 149 (1986)—South Africa (Natal).  
 pulchella H.J.T. Venter & R.L. Verhoeven in *S. Afr. J. Bot.*, 54(1): 72 (1988)—Mozambique, Zimbabwe.

**RAPUTIA** (Rutac.).

- maroana (R. Cowan) J.A. Kallunki in *Brittonia*, 42(3): 176 (1990): *Myllanthus maroana*.  
 neblinensis (R. Cowan) J.A. Kallunki in *Brittonia*, 42(3): 177 (1990): *Myllanthus neblinensis*.  
 ulei (K. Krause) J.A. Kallunki in *Brittonia*, 42(3): 177 (1990): *Cusparia ulei*.

**×RATHBUNILLOCACTUS** R. Mottram, *Contrib. New Class. Cact. Fam.*: 73 (1990). **CACTACEAE**. (*Myrtillocactus* × *Rathbunia*).**RATIBIDA** (Compos.).

- coahuilensis B.L. Turner in *Sida*, 13(1): 35 (1988)—Mexico.

**RAUIA** (Rutac.).

- subtruncata J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 315 (1988)—Venezuela.

**RAUVOLFIA** (Apocynac.).

- hookeri S.R. Srinivasan & V. Chithra in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 78 (1987), nom. nov.: *R. beddomei* Hook. f.  
 ×ivanovii M.M. Granda & V.R. Fuentes in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(2): 42 (1985 publ. 1986)—Cultivation. (*R. ligustrina* × *viridis*).  
 letouzeyi A.J.M. Leeuwenberg in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 367 (1989 publ. 1990)—Gabon, Congo-Brazzaville.

**RAVENEAE** (Palmae).

- moorei J. Dransfield & N.W. Uhl in *Principes*, 30(4): 159 (1986)—Comoro Archipelago.

**RAVENIOPSIS** (Rutac.).

- aracaensis J.A. Kallunki & J.A. Steyermark in *Brittonia*, 39(4): 409 (1987)—Brazil.  
 liesneri J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 317 (1988)—Venezuela.

**RAWSONIA** (Flacourtiac.).

- burt-davyi (Edlin) F. White in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 95 (1990): *Dasyalepis burt-davyi*.

**RAYCADENCO** C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2,

- 6: t. 577 (1989). **ORCHIDACEAE**.  
 ecuadorensis C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 577 (1989)—Ecuador.

**REAUMURIA** (Tamaricac.).

- babataghi V.P. Bocharov in *Bot. Zhurn.*, 72(6): 814 (1987)—U.S.S.R. (Middle Asia).  
 oxiana  
   var. *persica* (Boiss.) M. Assadi in *Fl. Iran (ed. M. Assadi et al.)*, 1: 9 (1989): *Eichwaldia persica*.  
 sivasica Kit Tan & B. Yildiz in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 440 (1988 publ. 1989)—Turkey.

**REBUTIA** (Cactac.).

- cylindrica (Donald & A. Lau) J.D. Donald in *Bradleya*, 5: 93 (1987): *Sulcorebutia cylindrica*.  
 einsteinii  
   var. *karreri* (Frič ex Backb.) Šida in *Kaktusy (Brno)*, 26(1): 19 (1990): *Mediolobivia schmiedcheniana* var. *karreri*.  
 fidaiana (Backeberg) D. Hunt in *Bradleya*, 5: 94 (1987): *Echinocactus fidaianus*.  
 haagei  
   var. *orurensis* (Backb.) Šida in *Kaktusy (Brno)*, 26(1): 19 (1990): *Lobivia orurensis*.  
 mentosa (F. Ritter) J.D. Donald in *Bradleya*, 5: 93 (1987): *Sulcorebutia mentosa*.  
 neocumingii (Backeberg) D. Hunt in *Bradleya*, 5: 94 (1987): *Weingartia neocumingii*.  
 neumanniana (Werdermann) D. Hunt in *Bradleya*, 5: 94 (1987): *Weingartia neumanniana*.  
 sumayana W. Rausch in *Succulenta*, 65(4): 74 (1986)—Bolivia.  
 walteri L. Diers in *Kakt. And. Sukk.*, 40(8): 189 (1989)—Argentina.

**RECORDOXYLON** (Legumin.).

- pulcherrimum R. Barneby in *Acta Bot. Venezuel.*, 14(3): 20 (1984)—Venezuela.

**REGELIA** (Myrtac.).

- punicea (N. Byrnes) B.A. Barlow in *Brunonia*, 9(1): 95 (1987): *Melaleuca punicea*.

**REGISTANIELLA** K.H. Rechinger in *Fl. Iran.*, 162:

- 152 (1987). **UMBELLIFERAE**.  
 hapaxlegomena K.H. Rechinger in *Fl. Iran.*, 162: 152 (1987)—Afghanistan.

**REHDERODENDRON** (Styracac.).

- conostyle C.Y. Wu in *Fl. Yunnanica*, 3: 410 (1983)—China.  
 gongshanense Y.C. Tang in *Acta Bot. Yunnanica*, 10(3): 350 (1988)—China.  
 membranifolium C.Y. Wu in *Fl. Yunnanica*, 3: 412 (1983)—China.  
 microcarpum K.M. Feng in *Fl. Yunnanica*, 3: 410 (1983)—China.

**REICHARDIA** (Compos.).

- gaditana  
   *subsp. lusitanica* (P. Cout.) A.R. Pinto da Silva & J.J.A.H. de Bacelar in *Bol. Soc. Brot.*, 60: 156 (1987): *R. gaditana* var. *lusitanica*.  
 picroides  
   var. *gracilis* (Schultz Bip.) O. de Bolos & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989): *Picridium intermedium* var. *gracile*.  
   var. *robusta* (Willk.) O. de Bolos & J. Vigo in *Folia Bot. Misc.*, 6: 86 (1989): *Picridium intermedium* var. *robustum*.  
 tingitana  
   var. *subintegra* (Boissier) S.K. Mamgain & R.R. Rao in *J. Bombay Nat. Hist. Soc.*, 86(2): 273 (1989): *Picridium tingitanum* var. *subintegra*.

**REINHARDTIA** (Palmae).

- paiewonskiana R.W. Read, T.A. Zanoni & M. Mejia in *Brittonia*, 39(1): 20 (1987)—Hispaniola (Dominican Republic).

**REINWARDTIODENDRON** (Meliac.).

- dubium (Merr.) X.M. Chen in *J. Wuhan Bot. Res.*, 4(2): 183 (1986): *Lansium dubium*.

**RELDIA** (Gesneriac.).

- calcarata L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(6): 606 (1989)—Ecuador.  
 grandiflora L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(6): 607 (1989)—Colombia.  
 minutiflora (L. Skog) L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(6): 607 (1989): *Nautilocalyx minutiflorus*.  
   var. *veraguensis* (Wiehl.) L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(6): 609 (1989): *R. veraguensis*.  
 multiflora L.P. Kvist & L.E. Skog in *Nordic J. Bot.*, 8(6): 611 (1989)—Ecuador.

**REMIJIA** (Rubiace.).

- chelomaphylla G.A. Sullivan in *Syst. Bot.*, 11(2): 298 (1986)—Peru.



**REMIJIA** :-

- marahuacensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 111 (1987)—Venezuela.  
 reducta J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 968 (1989)—Venezuela.  
 sessilis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1084 (1988)—Venezuela.

**REMUSATIA** (Arac.).

- ornata (Schott) H. Li & Q.F. Guo in *Acta Phytotax. Sin.*, 25(5): 414 (1987); et in *Aroideana*, 10(2): 23 (1987): Gonatanthus ornatus.

**REMYA** (Compos.).

- montgomeryi W.L. Wagner & D.R. Herbst in *Syst. Bot.*, 12(4): 605 (1987)—Hawaiian Is.

**RENANTHERA** (Orchidac.).

- ayongii E.A. Christenson in *Orchid Rev.*, 94(1114): 264 (1986); et in *Orchid Dig.*, 50(5): 169 (1986)—Borneo (Sarawak).  
 coccinea  
 var. holttumii U.W. Mahyar in *Reinwardtia*, 10(4): 405 (1988)—Thailand.

**RENANTHERELLA** (Orchidac.).

- histrionica  
 subsp. ayongii (E.A. Christ.) K. Senghas in *Schlechter Orchideen*, 1(21): 1327 (1988): Renanthera ayongii.

**RENEALMIA** (Zingiberac.).

- cylindrica P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 242 (1987)—Colombia, Panama, Ecuador.  
 microcalyx P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 315 (1990)—Venezuela, Brazil.  
 pacifica (Maas) P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 318 (1990): R. occidentalis var. pacifica.  
 pirrensis P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 237 (1987)—Panama.  
 purpurea P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 247 (1987)—Peru.  
 variegata P.J.M. Maas & H. Maas in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 241 (1987)—Ecuador, Panama, Colombia.

**RENNELLIA** (Rubiace.).

- amoena (Bremek.) J.T. Johansson in *Blumea*, 34(1): 11 (1989): Didymocium amoenum.  
 microcephala (Ridl.) K.M. Wong in *Tree Fl. Malaya*, 4: 405 (1989), with incorrect basionym: Myrioneuron microcephalum.

**RENNERA** (Compos.).

- eenii (S. Moore) M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 309 (1988): Pentzia eenii.  
 laxa (Bremek.) Obermeyer M. Källersjö in *Bot. J. Linn. Soc.*, 96(4): 309 (1988): Pentzia laxa.

**RESEDA** (Resedac.).

- abyssinica Fres., *Sem. Hort. Bot. Franc.*, 1835; *Linnaea* 11, Lit.: 86 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
 alba  
 subsp. trigyna (Batt.) W. Greuter & Burdet in *Willdenowia*, 19(1): 47 (1989): R. gayana subsp. trigyna.  
 lutea  
 subsp. vivanii (P. Monts.) A.M. Rovira in *Collect. Bot.*, 17(1): 102 (1987 publ. 1988): R. vivanii.  
 subsp. vivanii (P. Monts.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 186 (1990), isonym: R. vivanii.  
 sessilifolia M. Thulin in *Kew Bull.*, 45(4): 667 (1990)—Somali Republic.

**RESTIO** (Restionac.).

- colliculospermus H.P. Linder in *Bothalia*, 15(3-4): 443 (1985)—South Africa (Cape Province).  
 corneolus E.E. Esterhuysen in *Bothalia*, 15(3-4): 443 (1985)—South Africa (Cape Province).  
 decipiens (N.E. Br.) H.P. Linder in *Bothalia*, 15(3-4): 444 (1985): Hypolaena decipiens.  
 fragilis E.E. Esterhuysen in *Bothalia*, 15(3-4): 447 (1985)—South Africa (Cape Province).

**RESTIO** :-

- glaber (Rodway) L.A.S. Johnson & B.G. Briggs in *Telopea*, 2(6): 738 (1986): R. oligocephalus var. glaber.  
 implicatus E.E. Esterhuysen in *Bothalia*, 15(3-4): 447 (1985)—South Africa (Cape Province).  
 inconspicuus E.E. Esterhuysen in *Bothalia*, 15(3-4): 449 (1985)—South Africa (Cape Province).  
 ingens E.E. Esterhuysen in *Bothalia*, 15(3-4): 449 (1985)—South Africa (Cape Province).  
 inveteratus E.E. Esterhuysen in *Bothalia*, 15(3-4): 450 (1985)—South Africa (Cape Province).  
 mahonii  
 subsp. humbertii (Cherm.) H.P. Linder in *Kew Bull.*, 41(1): 103 (1986): R. madagascariensis var. humbertii.  
 montanus E.E. Esterhuysen in *Bothalia*, 15(3-4): 453 (1985)—South Africa (Cape Province).  
 nuwebergensis E.E. Esterhuysen in *Bothalia*, 15(3-4): 453 (1985)—South Africa (Cape Province).  
 peculiaris E.E. Esterhuysen in *Bothalia*, 15(3-4): 455 (1985)—South Africa (Cape Province).  
 perseverans E.E. Esterhuysen in *Bothalia*, 15(3-4): 457 (1985)—South Africa (Cape Province).  
 pillansii H.P. Linder in *Bothalia*, 15(3-4): 457 (1985), nom. nov.: Leptocarpus stokoei Pillans.  
 pulvinatus E.E. Esterhuysen in *Bothalia*, 15(3-4): 457 (1985)—South Africa (Cape Province).  
 pumilus E.E. Esterhuysen in *Bothalia*, 15(3-4): 458 (1985)—South Africa (Cape Province).  
 quartziticola H.P. Linder in *Kew Bull.*, 41(1): 103 (1986)—Zimbabwe, Mozambique.  
 rarus E.E. Esterhuysen in *Bothalia*, 15(3-4): 459 (1985)—South Africa (Cape Province).  
 rupicola E.E. Esterhuysen in *Bothalia*, 15(3-4): 459 (1985)—South Africa (Cape Province).  
 secundus (Pillans) H.P. Linder in *Bothalia*, 15(3-4): 460 (1985): Leptocarpus secundus.  
 singularis E.E. Esterhuysen in *Bothalia*, 15(3-4): 460 (1985)—South Africa (Cape Province).  
 vallis-simius H.P. Linder in *Bothalia*, 15(3-4): 462 (1985)—South Africa (Cape Province).  
 verrucosus E.E. Esterhuysen in *Bothalia*, 15(3-4): 462 (1985)—South Africa (Cape Province).  
 versatilis H.P. Linder in *Bothalia*, 15(3-4): 463 (1985), nom. nov.: Hypolaena diffusa Mast.  
 zuluensis H.P. Linder in *Bothalia*, 15(3-4): 463 (1985)—South Africa (Natal).

**RESTREPIOPSIS** (Orchidac.).

- subgen. Endresia C.A. Luer, *lc. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 55 (1986).*

**RETAMA** (Legumin.).

- raetam  
 subsp. gussonei (Webb) W. Greuter in *Willdenowia*, 15(2): 429 (1986): R. gussonei.

**RETROPHYLLUM** C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 379 (1988 publ. 1989). **PODOCARPACEAE.**

- comptonii (Buchh.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 380 (1988 publ. 1989): Podocarpus comptonii.  
 minor (Carr.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 380 (1988 publ. 1989): Nageia minor.  
 piresii (Silba) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 380 (1988 publ. 1989): Decussocarpus piresii.  
 rospigliosii (Pilg.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 380 (1988 publ. 1989): Podocarpus rospigliosii.  
 vitiense (Seem.) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 380 (1988 publ. 1989): Podocarpus vitiense.

**REYNOUTRIA** (Polygonac.).

- ×bohemica J. Chrtěk & A. Chrtěková in *Čas. Nár. Muz. (Prague)*, 152(2): 120 (1983)—Czechoslovakia. (R. japonica × sachaliensis).

**RHAGADIOLUS** (Compos.).

- stellatus  
 subsp. edulis (Gaertn.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 85 (1989): R. edulis.

**RHAMNONEURON** (Thymelaeac.).

- rubriflorum C.Y. Wu ex S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 278 (1985)—China.

**RHAMNUS** (Rhamnac.).

- acuminata B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 121 (1989)—Venezuela.  
 calcicolus Q.H. Chen in *Acta Bot. Yunnanica*, 7(4): 413 (1985)—China.  
 chiennanensis Z.R. Xu in *Acta Sci. Nat. Univ. Sunyatseni*, 1986(2): 100 (1986), without type—China.  
 ×colmeiroi D. Rivera Núñez, C. Obón de Castro & C. Selma Fernández in *An. Jard. Bot. Madrid*, 45(2): 558 (1988 publ. 1989)—Spain. (R. lycioides × saxatilis).  
 dalienensis S.Y. Li & Z.H. Ning in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 95 (1988)—China.  
 erythroxylodes Hoffmanns., *Preis-Verz.*: 38 (1833); cf. D.J. Mabberley in *Taxon*, 33(3): 433 (1984)—Locality not stated.  
 globosa  
 var. meyeri (Schn.) S.Y. Li & Z.H. Ning in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 99 (1988): R. meyeri.

- japonica  
 var. senanensis (Koidz.) H. Ohashi in *J. Jap. Bot.*, 63(2): 64 (1988): R. senanensis.  
 kiusiana S. Hatusima in *J. Phytogeogr. Taxon.*, 33(2): 71 (1985)—Japan.  
 longipes J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1066 (1988)—Venezuela.  
 marahuacensis J. Steyermark & B. Maguire in *Acta Bot. Venezuel.*, 14(3): 22 (1984)—Venezuela.  
 neblinensis B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 119 (1989)—Venezuela.  
 psilocarpa B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 119 (1989)—Venezuela.  
 qianweiensis Z.Y. Zhu in *Acta Bot. Bor.-Occid. Sin.*, 6(2): 135 (1986)—China.  
 saxatilis

- subsp. prunifolius (Sibth. & Sm.) B. Aldén in *A. Strid (ed.), Mount. Fl. Greece*, 1: 586 (1986): R. prunifolius.  
 subsp. rhodopeus (Velen.) B. Aldén in *A. Strid (ed.), Mount. Fl. Greece*, 1: 587 (1986): R. rhodopeus.  
 serpyllacea W. Greuter & Burdet in *Willdenowia*, 19(1): 48 (1989), nom. nov.: R. serpyllifolia Emberger & Maire.  
 sipapoensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1066 (1988)—Venezuela.

**RHAPHIDOSPORA** (Acanthac.).

- bonneyana (F. Muell.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 233 (1986): Chloanthes bonneyana.  
 cavernarum (F. Muell.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 232 (1986): Justicia cavernarum.

**RHAPHIOLEPIS** (Rosac.).

- indica  
 f. impressivena (Masamune) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 371 (1985): R. impressivena.  
 f. minor (Makino) H. Ohashi in *J. Jap. Bot.*, 63(1): 6 (1988): R. umbellata var. minor.  
 var. umbellata (Thunb. ex Murray) H. Ohashi in *J. Jap. Bot.*, 63(1): 4 (1988): Laurus umbellata.  
 f. umbellata (Thunb. ex Murray) H. Ohashi in *J. Jap. Bot.*, 63(1): 5 (1988): Laurus umbellata.

**RHAPONTICUM** (Compos.).

- behen (L.) Ratier, *Pharm. Franç.*: 121 (1827); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Centaurea behen.

**RHEUM** (Polygonac.).

- compactum  
 var. orientale (Losinsk.) N.N. Tsvetlev in *Sosud. Rast. Sovet. Dal'negu Vostoka*, 4: 55 (1989): R. orientale.  
 ×svetlanae L.S. Krasovskaya in L.S. Krasovskaya & I.G. Levichev, *Fl. Chaitkal'skogo Zapovednika*: 170 (1986)—U.S.S.R. (Middle Asia). (R. cordatum × maximowiczii).

**RHINACANTHUS** (Acanthac.).

nasutus

var. montana (Clarke) G.R. Kumari in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 158 (1987): R. communis var. montana.

**RHINACTINIDIA** (Compos.).

eremophila (Bunge) Novopokr. ex V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 23: 180 (1986): Aster eremophilus.

subsp. grubovii V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 23: 180 (1986)—Mongolia.

limoniifolia (Less.) Novopokr. ex V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 23: 179 (1986): Rhinactina limoniifolia.

novopokrovskiyi (Krasch. & Iljin) Novopokr. ex V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 23: 181 (1986): Aster novopokrovskiyi.

popovii (Botsch.) V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 23: 179 (1986): Aster popovii.

**RHINANTHUS** (Scrophulariac.).

pumilus (Sierneck) A. Soldano in *Atti Soc. Ital. Sci. Nat. Mus. Civ. Stor. Nat. Milano*, 127(3–4): 216 (1986): Alectorolophus pumilus.

**RHINERRHIZA** (Orchidac.).

moorei (H.G. Reichb.) M.A. Clements, B. Wallace & D. Jones in *Austral. Orchid Res.*, 1: 128 (1989): Thrixspermum moorei.

**RHIPIDOGLOSSUM** (Orchidac.).

adoxum (Rasm.) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1110 (1986): Diaphananthe adoxa.

candidum (Cribb) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1110 (1986): Diaphananthe candida.

laticar (Hall) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1110 (1986): Diaphananthe laticar.

melianthum (Cribb) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1110 (1986): Diaphananthe meliantha.

montanum (Piers) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1111 (1986): Angraecum montanum.

oxycenon (Cribb) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1111 (1986): Diaphananthe oxycenon.

pachyrhizum (Cribb) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1111 (1986): Diaphananthe pachyrhiza.

tanneri (Cribb) K. Senghas in *Schlechter Orchideen*, 1(16–18): 1111 (1986): Diaphananthe tanneri.

**RHIPSALIS** (Cactac.).

baccifera

subsp. erythrocarpa (Schumann) W. Barthlott in *Bradleya*, 5: 100 (1987): R. erythrocarpa.

subsp. horrida (Baker) W. Barthlott in *Bradleya*, 5: 100 (1987): R. horrida.

subsp. mauritiana (DC.) W. Barthlott in *Bradleya*, 5: 100 (1987): R. cassytha var. mauritiana.

occidentalis W. Barthlott & W. Rauh in *Kakt. And. Sukk.*, 38(1): 17 (1987)—Peru, Ecuador.

**×RHIZANTHERA** (Orchidac.).

intermedia L. Bernacki in *Fragm. Flor. Geobot.*, 31–32(1–2): 51 (1986–87 publ. 1988)—Poland. (Dactylorhiza fuchsii subsp. fuchsii × Platanthera bifolia subsp. bifolia).

martysiensis M. Balayer in *Bull. Soc. Bot. France, Lett. Bot.*, 133(3): 283 (1986)—France. (Dactylorhiza fuchsii × Platanthera chlorantha).

thilensis (G. Keller & Jeanjean) L.V. Aver'yanov in *Bot. Zhurn.*, 71(1): 93 (1986): ×Orchiplatanthera thilensis.

**RHODALSINE** (Caryophyllac.).

geniculata

var. procumbens (Vahl) A. Dubuis in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 22: 63 (1986–87 publ. 1988): Arenaria procumbens.

**RHODAMNIA** (Myrtac.).

dumicola G.P. Guymer & L.W. Jessup in *Austrobaileya*, 2(3): 228 (1986)—Australia (Queensland).

**RHODAMNIA** :–

glabrescens G.P. Guymer & L.W. Jessup in *Austrobaileya*, 2(3): 231 (1986)—Australia (Queensland).

pauciovulata G.P. Guymer in *Austrobaileya*, 2(5): 515 (1988)—Australia (Queensland).

whiteana G.P. Guymer & L.W. Jessup in *Austrobaileya*, 2(3): 229 (1986)—Australia (Queensland, New South Wales).

**RHODAX** (Cistac.).

allionii (Tineo) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum allionii.

frigidulus (Cuatrec.) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum frigidulum.

nebrodensis (Heldr.) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum nebrodense.

piloselloides (Lapeyr.) J. Holub in *Preslia*, 58(4): 302 (1986): Cistus piloselloides.

pourretii (Timb.-Lagr.) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum pourretii.

rotundifolius (Dunal) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum rotundifolium.

serrae (Camb.) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum serrae.

viscarioides (Hervier) J. Holub in *Preslia*, 58(4): 302 (1986): Helianthemum viscarioides.

**RHODIOLA** (Crassulac.).

chrysanthemifolia

subsp. liciae (R.-Hamet) H. Ohba in *Acta Phytotax. Geobot.*, 38: 216 (1987): Sedum liciae.

imbricata

var. lobulata N.B. Singh & U.C. Bhattacharyya in *Bull. Bot. Surv. India*, 25(1–4): 246 (1983 publ. 1985)—India.

lobulata (Singh & Bhattacharyya) H. Ohba in *J. Jap. Bot.*, 61(7): 205 (1986): R. imbricata var. lobulata.

phariensis (H. Ohba) S.H. Fu in *Fl. Xizangica*, 2: 427 (1985): Sedum phariense.

purpureoviridis

subsp. phariensis (H. Ohba) H. Ohba in *J. Jap. Bot.*, 61(7): 206 (1986): Sedum phariense.

sacra

var. tsuiana (S.H. Fu) S.H. Fu in *Fl. Xizangica*, 2: 426 (1985): R. tsuiana.

staminea (O. Pauls.) S.H. Fu in *Fl. Xizangica*, 2: 428 (1985): Sedum stamineum.

tangutica (Maxim.) S.H. Fu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 158 (1986): Sedum algidum var. tanguticum.

**RHODOCHITON** (Scrophulariac.).

hintonii (Elisens) D.A. Sutton, *Revis. tribe Antirrhineae*: 508 (1988): Lophospermum hintonii.

nubicola (Elisens) D.A. Sutton, *Revis. tribe Antirrhineae*: 509 (1988): Lophospermum nubicola.

**RHODOCOCCUM** (Ericac.).

vitis-idaea

subsp. minus (Lodd.) V.G. Sergienko, *Fl. poluostrova Kanin*: 83 (1986), without basionym ref.: Basionym not stated.

**RHODOCOMA** (Restionac.).

fruticosa (Thunb.) H.P. Linder in *Bothalia*, 15(3–4): 479 (1985): Restio fruticosus.

gigantea (Kunth) H.P. Linder in *Bothalia*, 15(3–4): 479 (1985): Thamnochortus giganteus.

**RHODODENDRON** (Ericac.).

ser. Adenogyna W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987), nom. nov.: R. subser. Adenogynum Tagg.

ser. Argyrophylla H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 309 (1989).

subsect. Brachycalyces W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 28 (1987), nom. nov.: R. sect. Brachycalyx Sweet.

sect. Bullatorhodion W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 25 (1987), nom. nov.: R. ser. Edgeworthii Hutch.

ser. Calophyta W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987), nom. nov.: R. subser. Calophytum Tagg.

subser. Campanulata H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 309 (1989).

**RHODODENDRON** :–

subsect. Canadensis (Rehd.) W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 28 (1987), nom. nov.: R. subser. Canadense Rehd.

subsect. Caucasica W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987), nom. nov.: R. subser. Caucasicum Tagg.

subsect. Cilicalyces W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 26 (1987), nom. nov.: R. subser. Cilicalyx Hutch.

subsect. Davidia W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987), without type.

ser. Davidia W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987), nom. nov.: R. subser. Davidii Tagg.

sect. Destaminorhodion W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 27 (1987).

ser. Fulgensia H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 309 (1989).

ser. Griersoniana H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 309 (1989).

ser. Griffithiana W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987), nom. nov.: R. subser. Griffithianum Tagg.

sect. Lactanthes W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987).

subser. Lanata H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 309 (1989).

subsect. Ledum (L.) K.A. Kron & W.S. Judd in *Syst. Bot.*, 15(1): 67 (1990): gen. Ledum.

subsect. Lutea W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 28 (1987), nom. nov.: R. subser. Luteum Rehd.

subgen. Maddenodendron W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 25 (1987).

sect. Maddenodendron W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 26 (1987).

subsect. Megacalyces W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 26 (1987), nom. nov.: R. subser. Megacalyx Hutch.

sect. Microrhodion W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 27 (1987), nom. nov.: R. ser. Micranthum Hutch.

sect. Moupinensorhodion W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 25 (1987), nom. nov.: R. ser. Moupinense Hutch.

subsect. Obtusa W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 28 (1987), nom. nov.: R. subser. Obtusum Rehd.

ser. Orbicularia W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987), nom. nov.: R. subser. Orbiculare Tagg.

subsect. Oreodoxa W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987), without type.

ser. Oreodoxa (Tagg) W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 29 (1987): R. subser. Oreodoxa.

ser. Parishia H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 310 (1989).

subsect. Pogonantha W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 27 (1987), nom. nov.: without replaced synonym ref.: R. sect. Pogonanthum G. Don.

sect. Pseudorhodion W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 26 (1987).

ser. Roxieana W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987), nom. nov.: R. subser. Roxieanum Tagg.

subsect. Sanguinea W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 30 (1987), nom. nov.: R. subser. Sanguineum Tagg.

subsect. Setosa W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 27 (1987), nom. nov.: R. sect. Setosum Philipson & Philipson.

ser. Sherriffia H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 310 (1989).

subsect. Tashiroia W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 28 (1987), nom. nov.: R. subser. Tashiroi Rehd.

ser. Wasonia W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 31 (1987), nom. nov.: R. subser. Wasonii Tagg.

subser. Williamsiana H.H. Davidian, *Rhododendron Species*, 2 (Ser. Arboreum-Lacteam): 310 (1989).

subsect. Yunnanensis W. Spethmann in *Pl. Syst. Evol.*, 157(1–2): 27 (1987).

alborugosum G.C.G. Argent & J. Dransfield in *Notes Roy. Bot. Gard. Edinburgh*, 46(1): 27 (1989)—Borneo (Kalamantan).

**RHODODENDRON :-**

- amakusaense (*Takada ex Yamazaki*) T. Yamazaki in *J. Jap. Bot.*, 62(3): 72 (1987): R. viscistylum var. amakusaense.
- anthosphærum  
var. eritimum (Balf. f. & W.W. Sm.) H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 261 (1989): R. eritimum.
- arunachalense D.F. Chamberlain & S.J. Rae in *Edinburgh J. Bot.*, 47(2): 197 (1990)—India.
- asterochnoum  
var. brevipedicellatum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 57 (1988)—China.
- atropicum H.P. Yang in *Acta Bot. Yunnanica*, 10(3): 367 (1988)—China.
- bellum H.P. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 18 (1989)—China.
- bhutanense D.G. Long & Bowes Lyon in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 327 (1988 publ. 1989)—Bhutan.
- brachycarpum  
f. fauriae (Franch.) G. Murata in *Acta Phytotax. Geobot.*, 38: 56 (1987): R. fauriae.
- brevicaudatum R.C. Fang & S.S. Chang in *Acta Bot. Yunnanica*, 10(3): 369 (1988)—China.
- calophyllum  
subsp. jinfaense M.Y. Fang in *Acta Phytotax. Sin.*, 26(1): 68 (1988)—China.
- var. jinfaense Fang & W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 56 (1988)—China.
- var. pauciflorum W.K. Hu in *Acta Phytotax. Sin.*, 26(4): 304 (1988)—China.
- ×charadzeae A.P. Khokhryakov & Mazurenko in *Byull. Glavn. Bot. Sada (Moscow)*, 152: 58 (1989)—U.S.S.R. (Caucasus). (R. smirnovii × ungeronii).
- cilicalyx  
subsp. lyi (Lévl.) R.C. Fang in *Fl. Yunnanica*, 4: 479 (1986), without basionym ref.: R. lyi.
- clementinae  
subsp. aureodorsale W.P. Fang ex J.Q. Fu in *Fl. Tsinlingensis*, 1(4): 393, 20 (1983)—China.
- columbianum (Piper) H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 203 (1990): *Ledum columbianum*.
- danbaense L.C. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 155 (1986)—China.
- decorum  
subsp. cordatum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 58 (1988)—China.
- subsp. parvistigmatis W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 57 (1988)—China.
- degronianum  
f. amagianum (Yamazaki) H. Hara in *J. Jap. Bot.*, 61(8): 246 (1986): R. metternichii f. amagianum.
- subsp. heptamerum (Maxim.) H. Hara in *J. Jap. Bot.*, 61(8): 246 (1986): R. metternichii a. heptamerum.
- var. hondoense (Nakai) H. Hara in *J. Jap. Bot.*, 61(8): 246 (1986): R. metternichii var. hondoense.
- var. intermedium (Sugimoto) H. Hara in *J. Jap. Bot.*, 61(8): 247 (1986): R. metternichii var. intermedium.
- var. kyomaruense (Yamazaki) H. Hara in *J. Jap. Bot.*, 61(8): 246 (1986): R. metternichii var. kyomaruense.
- subsp. yakushmanum (Nakai) H. Hara in *J. Jap. Bot.*, 61(8): 246 (1986): R. yakushmanum.
- delavayi  
var. albotomentosum H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308, 75 (1989)—Burma.
- ebianense M.Y. Fang in *Rhododendron Notes Records*, 2: 23 (1988)—China.
- fictolacteam  
var. miniforme H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308, 170 (1989)—China, Xizang.
- glaucophyllum  
subsp. tubiforme (Cowan & Davidian) D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 330 (1988 publ. 1989): R. glaucophyllum var. tubiforme.
- gonggashanense W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 55 (1988)—China.

**RHODODENDRON :-**

- groenlandicum (Oeder) K.A. Kron & W.S. Judd in *Syst. Bot.*, 15(1): 67 (1990): *Ledum groenlandicum*.
- heftii H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 307, 149 (1989)—Nepal.
- heteroclitum H.P. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 17 (1989)—China.
- huadingense B.Y. Ding & Y.Y. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 31 (1990), with two types cited—China.
- hypoleucum (Kom.) H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 203 (1990): *Ledum hypoleucum*.
- hyugaense (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 62(3): 72 (1987): R. viscistylum var. hyugaense.
- japonoheptamerum S. Kitamura in *Acta Phytotax. Geobot.*, 38: 382 (1987), nom. nov.: *Hymenanthes japonica Blume*.
- var. hondoense (Nakai) S. Kitamura in *Acta Phytotax. Geobot.*, 38: 382 (1987): R. metternichii var. hondoense.
- kangdingense Z.J. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 61 (1987)—China.
- kesangiae D.G. Long & Rushforth in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 331 (1988 publ. 1989)—Bhutan.
- kisianum  
var. sataense (Nakai) D.F. Chamberlain & S.J. Rae in *Edinburgh J. Bot.*, 47(2): 122 (1990): R. sataense.
- lagopus  
var. niphophilum (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 63(12): 410 (1988): R. nudipes subsp. niphophilum.
- var. tokushimense (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 63(12): 410 (1988): R. nudipes var. tokushimense.
- var. tsurugisanense (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 63(12): 410 (1988): R. nudipes var. tsurugisanense.
- lanigerum  
var. silvaticum (Cowan) H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 77 (1989): R. silvaticum.
- leiboense Z.J. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 57 (1987)—China.
- liaoxigensis S.L. Tung & Z. Lu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 155 (1988)—China.
- longicalyx M.Y. Fang in *Acta Phytotax. Sin.*, 26(1): 67 (1988)—China.
- luhuoense H.P. Yang in *Acta Bot. Yunnanica*, 10(3): 368 (1988)—China.
- macrosmithii H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 113 (1989), nom. nov.: R. smithii Nutt. ex W.J. Hooker.
- magniflorum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 51 (1988)—China.
- mainlingense S.H. Huang & R.C. Fang in *Fl. Xizangica*, 3: 674 (1986)—Xizang.
- mariae  
subsp. kwangsiense (P.X. Tan) D.F. Chamberlain & S.J. Rae in *Edinburgh J. Bot.*, 47(2): 106 (1990): R. kwangsiense.
- megalanthum M.Y. Fang in *Acta Phytotax. Sin.*, 26(1): 66 (1988)—Xizang.
- mianningense Z.J. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 59 (1987)—China.
- miyense W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 52 (1988)—China.
- mucronulatum  
var. chejuense H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 309 (1989)—Korea.
- nanjianense K.M. Feng & Z.H. Yang in *Acta Bot. Yunnanica*, 9(1): 55 (1987)—China.
- neoglandulosum H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 203 (1990), nom. nov.: *Ledum glandulosum Nutt.*
- nyingchiense R.C. Fang & S.H. Huang in *Fl. Xizangica*, 3: 674 (1986)—Xizang.
- nymphaeoides W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 54 (1988)—China.
- oblancifolium M.Y. Fang in *Rhododendron Notes Records*, 2: 25 (1988)—China.
- ochraceum  
var. brevicarpum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 56 (1988)—China.

**RHODODENDRON :-**

- orbiculare  
subsp. oblongum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 58 (1988)—China.
- oreodoxa  
var. adenostylosum Fang & W.K. Hu in *Acta Phytotax. Sin.*, 26(4): 304 (1988)—Xizang, China.
- pachytrichum  
var. tenuistylus W.K. Hu in *Acta Phytotax. Sin.*, 26(4): 304 (1988)—China.
- palustre (L.) K.A. Kron & W.S. Judd in *Syst. Bot.*, 15(1): 67 (1990): *Ledum palustre*.
- pentaphyllum  
var. shikokianum T. Yamazaki in *J. Jap. Bot.*, 63(9): 312 (1988)—Japan.
- periclymenoides  
f. album (Ait.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *Azalea nudiflora* δ alba.
- f. glandiferum (Porter) C.F. Reed in *Phytologia*, 63(5): 411 (1987): *Azalea nudiflora* var. glandifera.
- f. glandiferum (Porter) L.J. Uttal in *Sida*, 13(2): 169 (1988), isonym: *Azalea nudiflora* var. glandifera.
- pilostylum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 49 (1988)—China.
- poluninii H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 307, 155 (1989)—Bhutan.
- praeteritum  
var. hirsutum W.K. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 58 (1988)—China.
- principis  
var. velleureum (Hutch. ex Tagg.) T.L. Ming in *Fl. Xizangica*, 3: 621 (1986): R. velleureum.
- quinquefolium  
f. speciosum N. Yonezawa in *J. Phytogeogr. Taxon.*, 35(2): 101 (1987)—Japan.
- reticulatum  
var. bifolium T. Yamazaki in *J. Jap. Bot.*, 62(9): 288 (1987)—Japan.
- roxiceanum  
var. parvum H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308 (1989)—China.
- rubropunctatum T.L. Ming in *Fl. Xizangica*, 3: 603 (1986), as 'rubro-punctatum'—Xizang.
- saxatile B.Y. Ding & Y.Y. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 29 (1987)—China.
- scabrum  
subsp. amanoi (Ohwi) D.F. Chamberlain & S.J. Rae in *Edinburgh J. Bot.*, 47(2): 113 (1990): R. amanoi.
- scyphocalyx  
var. septendronale Tagg ex H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308 (1989)—Burma, China.
- serpyllifolium  
f. album T. Yamazaki in *J. Jap. Bot.*, 64(9): 280 (1989)—Japan.
- stenopetalum (Hogg) D.J. Mabberley in *Feddes Repert.*, 101(5-6): 270 (1990): *Azalea stenopetala*.
- subarcticum H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 203 (1990), nom. nov.: *Ledum palustre* var. decumbens Aiton.
- taishunense B.Y. Ding & Y.Y. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 27 (1987)—China.
- tenuifolium R.C. Fang & S.H. Huang in *Fl. Xizangica*, 3: 647 (1986)—Xizang.
- tolmachevii H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 204 (1990), nom. nov.: *Ledum macrophyllum Tolm.*
- tomentosum (Stokes) H. Harmaja in *Ann. Bot. Fenn.*, 27(2): 204 (1990): *Ledum tomentosum*.
- tsariense  
var. magnum H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308, 157 (1989)—Bhutan.
- var. trimoense H.H. Davidian, *Rhododendron Species*, 2 (Ser. *Arboreum-Lacteum*): 308, 157 (1989)—Xizang.
- tsinlingense W.P. Fang ex J.Q. Fu in *Fl. Tsinlingensis*, 1(4): 393, 10 (1983)—China.
- verruciferum W.K. Hu in *Acta Phytotax. Sin.*, 26(4): 301 (1988)—China.
- viscidum C.Z. Guo & Z.H. Liu in *Acta Bot. Yunnanica*, 10(4): 497 (1988)—China.

**RHODODENDRON** :-

- wasonii  
*var. wenchuanense* L.C. Hu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 156 (1986), as 'uenchuanense'—China.  
 wologense W.K. Hu in *Acta Phytotax. Sin.*, 26(4): 303 (1988)—China.  
 wuyishanicum L.K. Ling in *Fl. Fujianica*, 4: 633 (1989 publ. 1990)—China.  
 xichangense Z.J. Zhao in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(3): 60 (1987)—China.  
 xizangense W.P. Fang & W.K. Hu ex Q.Z. Yu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 167 (1986)—Xizang.  
 yakumontanum (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 62(3): 72 (1987): R. nudipes subsp. yakumontanum.  
 yaogangxianense Q.X. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 87 (1988)—China.  
 yedoense  
*var. hallaisanense* (Léveillé) T. Yamazaki in *J. Jap. Bot.*, 62(9): 260 (1987): R. hallaisanense.  
 yizhangense Q.X. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 86 (1988)—China.

**RHODOPHIALA** (Amaryllidac.).

- herbertiana (Lindley) A.T. Hunziker in *Lorentzia*, 5: 13 (1985): Phycella herbertiana.  
 phycelloides (Herbert) A.T. Hunziker in *Lorentzia*, 5: 15 (1985): Habranthus phycelloides.

**RHODOSPATA** (Arac.).

- brachypoda G.S. Bunting in *Phytologia*, 64(6): 479 (1988)—Venezuela.  
 cardonae G.S. Bunting in *Phytologia*, 64(6): 479 (1988)—Venezuela.  
 falconensis G.S. Bunting in *Phytologia*, 60(5): 336 (1986)—Venezuela.  
 guasarensis G.S. Bunting in *Phytologia*, 60(5): 337 (1986)—Venezuela.  
 steyermarkii G.S. Bunting in *Phytologia*, 60(5): 337 (1986)—Venezuela.

**RHODOSTEMONODAPHNE** (Laurac.).

- anomala (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 83 (1986): Nectandra anomala.  
 celiana (C.K. Allen) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 85 (1986): Ocotea celiana.  
 dioica (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 83 (1986): Nectandra dioica.  
 grandis (Mez) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 84 (1986): Endlicheria grandis.  
 kunthiana (Nees) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 84 (1986): Acrodiclidium kunthianum.  
 laxa (Meissn.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 83 (1986): Synandrodaphne laxa.  
 miranda (Sandw.) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 85 (1986): Nectandra miranda.  
 mirecolorata (C.K. Allen) J.G. Rohwer in *Mitt. Inst. Allg. Bot. Hamburg*, 20: 86 (1986): Ocotea mirecolorata.  
 steyermarkiana (Allen) H. van der Werff in *Ann. Missouri Bot. Gard.*, 76(2): 474 (1989): Ocotea steyermarkiana.

**RHOICISSUS** (Vitac.).

- tridentata  
*subsp. cuneifolia* (Eckl. & Zeyh.) N.R. Urton in *S. Afr. J. Bot.*, 52(5): 393 (1986): Cissus cuneifolia.

**RHUS** (Anacardiace.).

- acocksii R.O. Moffett in *S. Afr. J. Bot.*, 54(2): 172 (1988)—South Africa (Cape Province, Natal).  
 aromatica  
*var. simplicifolia* (Greene) A. Cronquist in *Great Basin Nat.*, 46(2): 254 (1986): R. canadensis var. simplicifolia.  
*subsp. trilobata* (Nutt.) W.A. Weber in *Phytologia*, 67(6): 426 (1989): R. trilobata.  
 glutinosa  
*subsp. abyssinica* (Oliv.) M.G. Gilbert in *Nordic J. Bot.*, 6(5): 572 (1986): R. abyssinica.  
*subsp. neoglutinosa* (M.G. Gilbert) M.G. Gilbert in *Nordic J. Bot.*, 6(5): 572 (1986): R. neoglutinosa.  
 heterophylla C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 225 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.

**RHUS** :-

- neoglutinosa M.G. Gilbert in *Nordic J. Bot.*, 6(2): 139 (1986)—Ethiopia.  
 radicans  
*subsp. negundo* (Greene) J. McNeill in *Nat. Canad.*, 108(3): 238 (1981): Toxicodendron negundo.  
*subsp. rydbergii* (Small ex Rydb.) J. McNeill in *Nat. Canad.*, 108(3): 238 (1981): R. rydbergii.  
 wilsonii  
*var. glabra* Y.T. Wu in *Fl. Sichuanica*, 4: 135 (1988)—China.

**RHYNCHOPHREATIA** (Orchidac.).

- carolinensis (Schltr.) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 152 (1987): Phreatia carolinensis.  
 pacifica (Fukuyama) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 152 (1987): Phreatia pacifica.

**RHYNCHOSIA** (Legumin.).

- emarginata G. Germishuizen in *Bothalia*, 17(2): 181 (1987)—South Africa (Cape Province).  
 fischeri P. Satyanarayana & K. Thothathri in *Bull. Bot. Surv. India*, 28(1-4): 241 (1986 publ. 1988)—India.  
 hainesiana P. Satyanarayana & K. Thothathri in *Bull. Bot. Surv. India*, 28(1-4): 243 (1986 publ. 1988)—India.  
 meeboldii P. Satyanarayana & K. Thothathri in *Bull. Bot. Surv. India*, 28(1-4): 243 (1986 publ. 1988)—India.  
 megalocalyx M. Thulin in *Nordic J. Bot.*, 8(5): 480 (1989)—Somali Republic.

**RHYNCHOSPORA** (Cyperac.).

- calderana D.A. Simpson in *Kew Bull.*, 42(4): 891 (1987)—Brazil.  
 chinensis  
*subsp. spiciformis* (Hillebr.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 127 (1989): R. spicaeformis.  
 durangensis R. Kral & W.W. Thomas in *Brittonia*, 38(3): 214 (1986)—Mexico.  
 eburnea R. Kral & W.W. Thomas in *Brittonia*, 40(1): 32 (1988)—Brazil, Venezuela.  
 ierensis C.D. Adams in *Phytologia*, 63(4): 298 (1987)—Trinidad.  
 jaliscensis R. McVaugh in *Acta Bot. Mex.*, 11: 15 (1990)—Mexico.  
 oaxacana R. Kral & W.W. Thomas in *Brittonia*, 38(3): 210 (1986)—Mexico.  
 pirrensis W.W. Thomas in *Brittonia*, 38(4): 314 (1986)—Panama.  
 rosemariana D.A. Simpson in *Kew Bull.*, 44(2): 289 (1989)—Brazil.  
 rugosa  
*subsp. lavarum* (Gaud.) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 127 (1989): R. lavarum.  
 waspamensis R. Kral & W.W. Thomas in *Brittonia*, 40(1): 34 (1988)—Nicaragua.

**RHYNCHOSTYLIS** (Orchidac.).

- gigantea  
*subsp. violacea* (Lindl.) E.A. Christenson in *Indian Orchid J.*, 1(4): 154 (1985); et in *Selbyana*, 9(1): 169 (1986): Vanda violacea.

**RHYTIDOCAULON** (Asclepiadac.).

- tortum (N.E. Br.) M.G. Gilbert in *Bradleya*, 8: 29 (1990): Caralluma torta.

**RIBES** (Grossulariac.).

- fuyunense T.C. Ku & F. Konta in *Guihaia*, 9(4): 287 (1989)—Xinjiang.  
 glaciale  
*f. hirsutum* T.C. Ku in *Guihaia*, 9(4): 287 (1989)—China.  
 gongshanense T.C. Ku in *Guihaia*, 9(4): 285 (1989)—China.  
 himalense  
*var. trichophyllum* T.C. Ku in *Guihaia*, 9(4): 288 (1989)—China.  
 longiracemosum  
*var. pilosum* T.C. Ku in *Guihaia*, 9(4): 288 (1989)—China.

**RIBES** :-

- meyeri  
*var. tianschanicum* C.Y. Yang & Y.L. Han in *Claves Pl. Xinjiang.*, 2: 481 (1982), without latin descr. or type—Xinjiang.  
 moupinense  
*f. incisoserratum* T.C. Ku in *Guihaia*, 9(4): 288 (1989), as 'inciso-serratum'—China.  
*var. muliense* S.H. Yu & J.M. Xu in *Acta Phytotax. Sin.*, 28(4): 327 (1990)—China.  
 ×nidigrolaria R. & A. Bauer in *Osnabrücker Naturwiss. Mitt.*, 15: 50 (1989)—Cultivation.  
 palmatum Hort. Par. ex Fée, *Cat. Méth. Pl. Jard. Bot. Strasb.*: 92 (1836); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
 tianquanense S.H. Yu & J.M. Xu in *Acta Phytotax. Sin.*, 28(4): 325 (1990)—China.  
 triste  
*f. repens* (Baranov) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 267 (1986): R. repens.  
 uniflorum T.C. Ku in *Guihaia*, 9(4): 286 (1989)—China.

**RICHERIA** (Euphorbiac.).

- dressleri G.L. Webster in *Ann. Missouri Bot. Gard.*, 75(3): 1094 (1988)—Panama, Costa Rica.  
 tomentosa M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1078 (1989)—Colombia.

**RICINUS** (Euphorbiac.).

- compactus Huber, *Cat. Print. 1865*: 8 (1865); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.

**RIEDELIA** (Zingiberac.).

- cordylinoides (Ridley) R.M. Smith in *Edinburgh J. Bot.*, 47(1): 65 (1990): Alpinia cordylinoides.

**RINDERIA** (Boraginac.).

- cyclodonta A. Bunge, *Beitr. Fl. Russl.*: 239 (1852)—U.S.S.R. (Middle Asia).†

**RINOREA** (Violac.).

- laevigata (Solander ex Gings) W.H.A. Hekking in *Fl. Neotrop.*, 46: 58 (1988): Physiphora laevigata.  
 pubiflora  
*f. andersonii* (Sandwith ex Hekking) W.H.A. Hekking in *Fl. Neotrop.*, 46: 110 (1988), varietal basionym not illegit.: R. passoura var. andersonii.  
*var. grandifolia* (Eichler) W.H.A. Hekking in *Fl. Neotrop.*, 46: 109 (1988): Alsodeia falcata var. grandifolia.  
*f. grandifolia* (Eichler) W.H.A. Hekking in *Fl. Neotrop.*, 46: 109 (1988): Alsodeia falcata var. grandifolia.

**RINZIA** (Myrtac.).

- affinis M.E. Trudgen in *Nuytsia*, 5(3): 431 (1986)—Australia (W. Australia).  
 carnosa (S. Moore) M.E. Trudgen in *Nuytsia*, 5(3): 426 (1986): Baeckea carnosa.  
 communis M.E. Trudgen in *Nuytsia*, 5(3): 435 (1986)—Australia (W. Australia).  
 dimorphandra (F. Muell. ex Benth.) M.E. Trudgen in *Nuytsia*, 5(3): 430 (1986): Baeckea dimorphandra.  
 morrisonii M.E. Trudgen in *Nuytsia*, 5(3): 423 (1986)—Australia (W. Australia).  
 rubra M.E. Trudgen in *Nuytsia*, 5(3): 427 (1986)—Australia (W. Australia).  
 schollerifolia (Lehm.) M.E. Trudgen in *Nuytsia*, 5(3): 422 (1986): Baeckea schollerifolia.  
 sessilis M.E. Trudgen in *Nuytsia*, 5(3): 436 (1986)—Australia (W. Australia).

**RIOCREUXIA** (Asclepiadac.).

- bubalina W. Elliot, *Fl. Andhrina*, 59 (1859); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**RIPOGONUM** (Liliac.).

- brevifolium J.G. Conran & H.T. Clifford in *Fl. Australia*, 46: 231, 189 (1986)—Australia (Queensland, New South Wales).

**RISTANTIA** (Myrtac.).

- gouldii Peter G. Wilson & B.P.M. Hyland in *Telopea*, 3(2): 267 (1988)—Australia (Queensland).



**RISTANTIA** :-

waterhousei *Peter G. Wilson* & *B.P.M. Hyland* in *Telopea*, 3(2): 268 (1988)—Australia (Queensland).

**RITCHIEA** (Capparac.).

simplicifolia

var. caloneura (*Gilg*) *L.E. Kers* in *Fl. Cameroun*, 29: 102 (1986): *R. caloneura*.

**RIVINA** (Phytolaccac.).

herbacea *Huber*, *Cat. Gén.* 1871 & 1872: 4 (1871); cf. *D.J. Mabberley* in *Taxon*, 34(3): 451 (1985)—Locality not stated.

**ROBINIA** (Legumin.).

halodendron *P.S. Pallas*, *Reise Russ. Reich.*, 2(2): 741 (1773), in *Index Kewensis* vol. 2, fasc. 4 as 'halodendrum'—Siberia.†

**ROBIQUETIA** (Orchidac.).

merrilliana (*Ames*) *E. Lückel*, *M. Wolff* & *J.J. Wood* in *Orchidee*, 40(3): 109 (1989): *Sarcanthus merrillianus*.

**ROCHELIA** (Boraginac.).

cardiospala *A. Bunge*, *Beitr. Fl. Russl.*: 244 (1852)—U.S.S.R. (Middle Asia).†  
macrocalyx *A. Bunge*, *Beitr. Fl. Russl.*: 243 (1852)—U.S.S.R. (Middle Asia).†

**RODRIGUEZIA** (Orchidac.).

chasei *C.H. Dodson* & *D.E. Bennett* in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 163 (1989)—Peru.  
chimorensis *C.H. Dodson* & *R. Vásquez Ch.* in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 369 (1989)—Bolivia.  
fernandezii *C.H. Dodson* & *D.E. Bennett* in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 164 (1989)—Peru.  
satipoana *C.H. Dodson* & *D.E. Bennett* in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 165 (1989)—Peru.  
sticta *M.W. Chase* in *Lindleyana*, 2(2): 112 (1987), nom. nov.: *Burlingtonia maculata* *Lindley*.  
vasquezii *C.H. Dodson* in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 370 (1989)—Bolivia.

**ROEGNERIA** (Gramin.).

alashanica *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 73 (1963)—China.  
aliena *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 31 (1963)—China.  
altissima *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 53 (1963)—China.  
anthosachnoides *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 65 (1963)—China.  
aristiglumis *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 55 (1963)—Xinjiang, China.  
breviglumis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 48 (1963)—China.  
brevipes *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 49 (1963)—China.  
calicicola *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 21 (1963)—China.  
ciliaris

var. japonensis (*Honda*) *Yen, J.L. Yang* & *B.R. Lu* in  *Acta Bot. Yunnanica*, 10(3): 269 (1988): *Agropyron japonense*.

confusa

subsp. brevistarata (*Keng*) *N.R. Cui* in  *Claves Pl. Xinjiang.*, 1: 161 (1982): *R. confusa* var. brevistarata.

dolichathera *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 19 (1963)—China.

dura (*Keng*) *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 54 (1963): *Brachypodium durum*.

fedtschenkoi (*Tzvel.*) *N.R. Cui* in  *Claves Pl. Xinjiang.*, 1: 158 (1982): *Elymus fedtschenkoi*.

foliosa *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 32 (1963)—China.

geminata *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 80 (1963)—China.

glaberrima *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 72 (1963)—Xinjiang.

glaucofolia *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 57 (1963)—Xizang.

grandiglumis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 82 (1963)—China.

grandis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 45 (1963)—China.

**ROEGNERIA** :-

hirsuta *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 84 (1963)—China.

humilis *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 40 (1963)—China.

hybrida *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 18 (1963)—China.

japonensis (*Honda*) *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 63 (1963): *Agropyron japonense*.

kamoji

subsp. macerrima (*Keng*) *N.R. Cui* in  *Claves Pl. Xinjiang.*, 1: 153 (1982): *R. kamoji* var. macerrima.

kokonorica *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 88 (1963)—China.

laxiflora *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 75 (1963)—China.

leiantha *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 42 (1963)—China.

leiotropis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 58 (1963)—China.

longiglumis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 83 (1963)—China.

melanthera (*Keng*) *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 78 (1963): *Agropyron melantherum*.

minor *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 71 (1963)—China.

mutica *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 87 (1963)—China.

nutans (*Keng*) *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 48 (1963): *Agropyron nutans*.

parviglumis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 47 (1963)—China.

platyphylla *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 35 (1963)—Xinjiang.

puberula *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 20 (1963)—China.

pubiculis *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 30 (1963)—China.

purpurascens *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 56 (1963)—China.

rigidula *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 77 (1963)—China.

serotina *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 50 (1963)—China.

sinica *Keng ex Y.L. Chen* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 33 (1963)—China.

stenachyra *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 79 (1963)—China.

stricta *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 68 (1963)—China.

sylvatica *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 36 (1963)—Xinjiang.

thoroldiana (*Oliv.*) *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 79 (1963): *Agropyron thoroldianum*.

tsukushiensis (*Honda*) *B.R. Lu, Yen* & *J.L. Yang* in  *Acta Bot. Yunnanica*, 12(3): 245 (1990): *Elymus tsukushiensis*.

var. transiens (*Hack.*) *B.R. Lu, Yen* & *J.L. Yang* in  *Acta Bot. Yunnanica*, 12(3): 245 (1990): *Agropyron semicostatum* var. transiens.

varia *Keng ex Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 70 (1963)—China.

villosa

subsp. coerulea *B.A. Yurtsev* in  *Bot. Zhurn.*, 74(1): 113 (1989)—U.S.S.R. (Soviet Far East).

viridula *Y.L. Keng* & *S.L. Chen* in  *J. Nanjing Univ. (Nat. Sci.)*, 3: 39 (1963)—Xinjiang.

**ROEMERIA** (Papaverac.).

refracta

subsp. occidentalis *J.W. Kadereit* in  *Flora (Germany)*, 179(2): 138 (1987)—Iran, Turkey, U.S.S.R. (Middle Asia).

**ROEZLIA** (Amaryllidac.).

regia *Laurentius* *Gärtn. Leipzig* in  *Bonplandia*, 9: 274 (15 Sept. 1861); cf. *D.J. Mabberley* in  *Taxon*, 34(3): 454 (1985)—Locality not stated.

**ROGERSONANTHUS** *B. Maguire* & *B.M. Boom* in  *Mem. New York Bot. Gard.*, 51: 3 (1989). **GENTIANACEAE.****ROGERSONANTHUS** :-

arbores (*Britton*) *B. Maguire* & *B.M. Boom* in  *Mem. New York Bot. Gard.*, 51: 8 (1989): *Chelonanthus arbores*.

quelchii (*N.E. Brown*) *B. Maguire* & *B.M. Boom* in  *Mem. New York Bot. Gard.*, 51: 4 (1989): *Lisianthus quelchii*.

tepuiensis (*Gleason*) *B. Maguire* & *B.M. Boom* in  *Mem. New York Bot. Gard.*, 51: 4 (1989): *Calolisianthus tepuiensis*.

**ROGIERA** (Rubiace.).

aprica (*Lundell*) *A. Borhidi* in  *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia aprica*.

backhousii (*Hook. f.*) *A. Borhidi* in  *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia backhousii*.

brachystantha (*Standl.* & *Steyerm.*) *A. Borhidi* in  *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia brachystantha*.

chiapasensis (*Standl.*) *A. Borhidi* in  *Acta Bot. Hung.*, 33(3-4): 301 (1987): *Rondeletia chiapasensis*.

**ROHDEA** (Convallariac.).

japonica

var. latifolia *S. Hatusima* in  *J. Phytogeogr. Taxon.*, 35(2): 63 (1987), as 'Rohdora'—Japan.

**ROLLANDIA** (Campanulac.).

alba *H. St. John* & *W. Takeuchi* in  *Phytologia*, 63(5): 367 (1987)—Hawaiian Is.

lanceolata

subsp. calycina (*Cham.*) *T.G. Lammers* in  *Syst. Bot.*, 13(4): 507 (1988): *Lobelia calycina*.

obatae *H. St. John* in  *Phytologia*, 63(5): 367 (1987)—Hawaiian Is.

**ROLLINIA** (Annonac.).

andicola *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 297 (1989)—Ecuador, Peru.

bahiensis *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 299 (1989)—Brazil.

chrysocarpa *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 300 (1989)—Peru.

ferruginea (*R.E. Fries*) *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 301 (1989): *Rolliniopsis ferruginea*.

fosteri *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 302 (1989)—Peru, Ecuador.

glomerulifera *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 303 (1989)—Peru, Ecuador.

helosoides *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 305 (1989)—Ecuador.

hispidia *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 307 (1989)—Peru, Ecuador.

mammifera *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 308 (1989)—Peru, Brazil.

pachyantha *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 310 (1989)—Colombia.

schunkei *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 311 (1989)—Peru, Brazil.

ubatubensis *P.J.M. Maas* & *L.Y.T. Westra* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 313 (1989)—Brazil.

velutina *E.J. van Marle* in  *Proc. Kon. Nederl. Akad. Wetensch.*, C, 92(3): 314 (1989)—Venezuela, Colombia.

**ROMNALDA** (Xanthorrhoeac.).

strobilacea *R.J.F. Henderson* & *P.R. Sharpe* in  *Fl. Australia*, 46: 224, 92 (1986)—Australia (Queensland).

**ROMULEA** (Iridac.).

hartungii

subsp. coronensis *A. Abraham* in  *Feddes Repert.*, 99(11-12): 505, 506 (1988), without latin descr.—Canary Is.

**ROMULEA** :-

- subsp. hierroensis* A. Abraham in *Feddes Repert.*, 99(11-12): 505 (1988), without latin descr.—Canary Is.
- subsp. montana* A. Abraham in *Feddes Repert.*, 99(11-12): 505 (1988), without latin descr.—Canary Is.
- subsp. pallida* A. Abraham in *Feddes Repert.*, 99(11-12): 505 (1988), without latin descr.—Canary Is.
- lactea* A. Abraham in *Feddes Repert.*, 99(11-12): 506 (1988)—Canary Is.
- unifolia* M.P. de Vos in *S. Afr. J. Bot.*, 53(3): 247 (1987)—South Africa (Cape Province).

**RONDELETIA** (Rubiaceae).

- acuminata* (Derst. ex Standl.) D.H. Lorence & G. Castillo-Campos in *Biotica*, 13(1-2): 147 (1988): *Sommeria acuminata*.
- acunae* A. Borhidi & M. Fernandez in *Acta Bot. Hung.*, 31(1-4): 147 (1985)—Cuba.
- anguillensis* R.A. Howard & E.A. Kellogg in *J. Arnold Arbor.*, 68(1): 127 (1987)—Leeward Is.
- arida* A. Borhidi & M. Fernandez Zequeira in *Acta Bot. Hung.*, 33(1-2): 105 (1987)—Cuba.
- bissei* A. Borhidi & M. Fernandez Zequeira in *Acta Bot. Hung.*, 33(1-2): 107 (1987)—Cuba.
- bracteosa* A. Borhidi & M. Fernandez Zequeira in *Acta Bot. Hung.*, 33(1-2): 109 (1987)—Cuba.
- combsioides* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 149 (1985)—Cuba.
- convoluta* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 151 (1985)—Cuba.
- galanensis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 152 (1985)—Cuba.
- × *incerta* A. Borhidi & M. Fernandez in *Acta Bot. Hung.*, 31(1-4): 155 (1985)—Cuba. (R. *miraflorensis* × *subcanescens*).
- intermixta*
- subsp. turquinensis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 157 (1985)—Cuba.
- lucida* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 158 (1985)—Cuba.
- miraflorensis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 154 (1985)—Cuba.
- × *obscura* A. Borhidi & M. Fernandez in *Acta Bot. Hung.*, 31(1-4): 161 (1985)—Cuba. (R. *paucinervis* × *plicatula*).
- pachyphylla*
- subsp. myrtilloides* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 163 (1985)—Cuba.
- papayoensis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 165 (1985)—Cuba.
- peninsularis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 166 (1985)—Cuba.
- steiophylloides* A. Borhidi & M. Fernandez Zequeira in *Acta Bot. Hung.*, 33(1-2): 112 (1987)—Cuba.
- subcanescens* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 168 (1985)—Cuba.
- toaensis* M. Fernandez & A. Borhidi in *Acta Bot. Hung.*, 31(1-4): 170 (1985)—Cuba.
- tubulosa* A. Borhidi & M. Fernandez Zequeira in *Acta Bot. Hung.*, 33(1-2): 113 (1987)—Cuba.
- tuxtensis* D.H. Lorence & G. Castillo-Campos in *Biotica*, 13(1-2): 148 (1988)—Mexico.
- uxpanapensis* D.H. Lorence & G. Castillo-Campos in *Biotica*, 13(1-2): 150 (1988)—Mexico.
- wendtii* D.H. Lorence & G. Castillo-Campos in *Biotica*, 13(1-2): 154 (1988)—Mexico.

**RONNBERGIA** (Bromeliaceae).

- campanulata* A.J. Gilmarin & H.E. Luther in *J. Bromeliad Soc.*, 40(5): 206 (1990)—Ecuador.
- carvalhoi* G. Martinelli & E.M.C. Leme in *J. Bromeliad Soc.*, 37(2): 79 (1987)—Brazil.

**RORIPPA** (Crucif.).

- divaricata* (Hook. f.) P.J. Garnock-Jones & B. Jonsell in *New Zealand J. Bot.*, 26(3): 479 (1988): *Cardamine divaricata*.
- floridana* I.A. Al-Shehbaz & R.C. Rollins in *J. Arnold Arbor.*, 69(1): 68 (1988), nom. nov.: *Cardamine curvisiliqua Shuttlew. ex Chapman*.
- gambellii* (S. Watson) R.C. Rollins & I.A. Al-Shehbaz in *J. Arnold Arbor.*, 69(1): 69 (1988): *Cardamine gambellii*.
- hybosperma* (O.E. Schulz) B. Jonsell in *Fl. Males.*, 10(3): 559 (1988): *Nasturtium hybospermum*.

**RORIPPA** :-

- pseudoislandica* H.J. Chowdhery & R.R. Rao in *Indian J. Forest.*, 8(2): 150 (1985)—India.
- pyrenaica*
- subsp. hispanica* (Boiss. & Reut.) M. Kerguelen in *Lejeunia*, 120: 150 (1987): *Nasturtium hispanicum*.
- viaria* V.I. Dorofeev in *Bot. Zhurn.*, 71(11): 1559 (1986)—U.S.S.R. (European Russia).

**ROSA** (Rosaceae).

- sect. Kokanicae* I.O. Buzunova in *Bot. Zhurn.*, 71(4): 486 (1986).
- altidaghestanica* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 898 (1989)—U.S.S.R. (Caucasus).
- awarica* Sh.A. Guseinov in *Bot. Zhurn.*, 73(4): 598 (1988)—U.S.S.R. (Caucasus).
- baitagensis* R.V. Kamelin & I.A. Gubanov in *Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 93(5): 110 (1988)—Mongolia.
- × *beanii* P.V. Heath in *Taxon*, 38(1): 97 (1989), nom. nov.: *R. anemoniflora Fortune ex Lindley*.
- biflora* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 3 (1990)—China.
- bracteata*
- var. taiwanensis* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 458 (1985)—Taiwan.
- caesia*
- subsp. glauca* (Nyman) G.G. Graham & A.L. Primavesi in *Watsonia*, 18(2): 121 (1990): *R. glauca subsp. glauca*.
- cziragensis* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 893 (1989)—U.S.S.R. (Caucasus).
- daishanensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 11 (1990)—China.
- darginica* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 892 (1989)—U.S.S.R. (Caucasus).
- degenensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 5 (1990)—China.
- derongensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 7 (1990)—China.
- dumalis*
- f. dentatistipulata* R. Popek in *Fragm. Flor. Geobot.*, 29(3-4): 346 (1983 publ. 1986)—Poland.
- f. nervipilosa* R. Popek in *Fragm. Flor. Geobot.*, 29(3-4): 347 (1983 publ. 1986)—Poland.
- f. subglabristyla* R. Popek in *Fragm. Flor. Geobot.*, 29(3-4): 347 (1983 publ. 1986)—Poland.
- forrestiana*
- f. glandulosa* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 3 (1990)—China.
- helenae*
- f. duplicata* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 12 (1990)—China.
- f. glandulifera* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 12 (1990)—China.
- hirsuta* Chhabhi Ghora & G. Panigrahi in *Bull. Bot. Surv. India*, 28(1-4): 177 (1986 publ. 1988)—India.
- kamelinii* Sh.A. Guseinov in *Bot. Zhurn.*, 73(4): 597 (1988)—U.S.S.R. (Caucasus).
- kostrakiewiczii* R. Popek in *Fragm. Flor. Geobot.*, 29(3-4): 350 (1983 publ. 1986): *R. pubescens subsp. kostrakiewiczii*.
- kunmingensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 10 (1990)—China.
- lehmanniana* A. Bunge, *Beitr. Fl. Russl.*: 111 (1852)—U.S.S.R. (Middle Asia).†
- ludingensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 4 (1990)—China.
- maracandica* A. Bunge, *Beitr. Fl. Russl.*: 110 (1852)—U.S.S.R. (Middle Asia).†
- miyiensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 9 (1990)—China.
- multiflora* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 474 (1784)—Japan.†
- var. nanningensis* Y. Wan & Z.R. Huang in *Guihaia*, 10(2): 97 (1990)—China.
- var. taoyuanensis* Z.M. Wu in *Guihaia*, 8(3): 238 (1988)—China.
- obtusifolia*
- var. dunensis* C. Arnaiz, J.-M. Gehu & J. Gehu-Franck in *Bull. Soc. Bot. Nord France*, 33(3-4): 72 (1980 publ. 1981), without type—France.
- pinnatisepala* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 2 (1990)—China.
- f. glandulosa* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 3 (1990)—China.

**ROSA** :-

- platyacantha*
- subsp. crassipes* (Vass.) I.O. Buzunova in *Novosti Sist. Vyssh. Rast.*, 23: 77 (1986): *R. platyacantha var. crassipes*.
- roxburghii*
- f. esetosa* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 12 (1990)—China.
- rubiginosa*
- var. dunensis* C. Arnaiz, J.-M. Gehu & J. Gehu-Franck in *Bull. Soc. Bot. Nord France*, 33(3-4): 69 (1980 publ. 1981), without type—France.
- rugosa* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 473 (1784)—Japan.†
- shangchengensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 8 (1990)—China.
- sikangensis*
- f. pilosa* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 2 (1990)—China.
- subbuschiana* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 895 (1989)—U.S.S.R. (Caucasus).
- tlaratensis* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 896 (1989)—U.S.S.R. (Caucasus).
- usischensis* Sh.A. Guseinov in *Bot. Zhurn.*, 74(6): 894 (1989)—U.S.S.R. (Caucasus).
- wichuraiana*
- f. simpliciflora* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 12 (1990)—China.
- zhongdianensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 1 (1990)—China.

**ROSCOEIA** J. Smith, *Exot. Bot.*, 2: 97, t. 108 (1806).

- ZINGIBERACEAE.** †
- brevibracteata* Z.Y. Zhu in *Acta Phytotax. Sin.*, 26(4): 316 (1988)—China.
- pubescens* Z.Y. Zhu in *Acta Phytotax. Sin.*, 26(4): 315 (1988)—China.

**ROSMARINUS** (Labiatae).

- × *lavandulaceus*
- var. clementei* J.L. Rosúa in *Lagascalia*, 14(2): 185 (1986)—Spain.
- var. noeanus* (Maire) J.L. Rosúa in *Lagascalia*, 14(2): 184 (1986): *R. × noeanus*.
- var. subtomentosus* (Maire & Weiller) J.L. Rosúa in *Lagascalia*, 14(2): 185 (1986): *R. officinalis var. subtomentosus*.
- var. trogloditarum* (Maire & Weiller) J.L. Rosúa in *Lagascalia*, 14(2): 185 (1986): *R. officinalis var. trogloditarum*.

**ROSTELLULARIA** (Acanthaceae).

- adscendens* (R. Br.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 250 (1986): *Justicia adscendens*.
- subsp. clementii* (Domin) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 267 (1986): *Justicia clementii*.
- var. clementii* (Domin) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 269 (1986): *Justicia clementii*.
- subsp. dallachyi* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 274 (1986)—Australia (Queensland).
- subsp. glaucoviolacea* (Domin) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 272 (1986): *Justicia glaucoviolacea*.
- var. hispida* (Domin) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 261 (1986): *Justicia procumbens var. hispida*.
- var. juncea* (R. Br.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 258 (1986): *Justicia juncea*.
- var. largiflorens* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 270 (1986)—Australia (N. Terr., Queensland, W. Australia).
- var. latifolia* (Domin) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 266 (1986): *Justicia procumbens var. latifolia*.
- var. pogonanthera* (F. Muell.) R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 264 (1986): *R. pogonanthera*.
- andamanica* M.K. Vasudeva Rao in *J. Econ. Taxon. Bot.*, 6(3): 719 (1985)—Andaman Is.
- diffusa*
- var. hedyotidifolia* (Nees) G.R. Kumari in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India, Ser. 1*, 2: 158 (1987): *R. hedyotidifolia*.
- prostrata* (Roxb. ex Clarke) K.K.N. Nair in K.K.N. Nair & M.P. Nayar, *Fl. Courtallum*, 2: 299 (1987): *Justicia diffusa var. prostrata*.

**ROSTRARIA** (Gramin.).

smyrnacea (Trinius) H. Scholz in Willdenowia, 19(1): 109 (1989): Trisetum smyrnaceum.

**ROSULARIA** (Crassulac.).

sect. Chrysanthae U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 32 (1988).

alpestris

subsp. marnieri (Raymond-Hamet ex H. Ohba) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 32 (1988).

blepharophylla U. Eggli in Kakt. And. Sukk., 38(6): 134 (1987)—Turkey.

hirsuta (Allioni) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 65 (1988): Sedum hirsutum.

modesta

var. linearifolia (Jansson) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 72 (1988): R. adenotricha subsp. linearifolia.

muratdaghensis Kit Tan in Notes Roy. Bot. Gard. Edinburgh, 45(2): 367 (1988 publ. 1989)—Turkey.

radicosa (Boissier & Hohenacker) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 76 (1988): Sedum radicosum.

×reginae U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 90 (1988)—Turkey. (R. globulariifolia × sempervivum subsp. glaucophylla).

sempervivum

subsp. amanensis U. Eggli in Kakt. And. Sukk., 38(6): 135 (1987)—Turkey.

subsp. glaucophylla U. Eggli in Kakt. And. Sukk., 38(6): 136 (1987)—Turkey.

subsp. kurdica U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 91 (1988)—Iraq, Iran, Turkey, U.S.S.R. (Caucasus).

subsp. libanotica (Labillardière) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 93 (1988): Cotyledon libanotica.

subsp. persica (Boissier) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 95 (1988): Umbilicus persicus.

subsp. pestalozzae (Boissier) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 98 (1988): Umbilicus pestalozzae.

serpentinica

var. gigantea U. Eggli in Kakt. And. Sukk., 38(6): 137 (1987)—Turkey.

tauricola Kit Tan in Notes Roy. Bot. Gard. Edinburgh, 45(2): 365 (1988 publ. 1989)—Turkey.

wilczekiana (Font Quer) U. Eggli, Monogr. Study Gen. Rosularia (Crassulac.) (Bradleya 6 Suppl.): 105 (1988): Sedum wilczekianum.

**ROTALA** (Lythrac.).

cookii K.T. Joseph & V.V. Sivarajan in Pl. Syst. Evol., 159(1–2): 143 (1988)—India.

letouzeyana P. Bamps in Bull. Mus. Nation. Hist. Nat., B, Adansonie, Ser. 4, 11(4): 389 (1989 publ. 1990)—Zaire.

malabarica A.K. Pradeep, K.T. Joseph & V.V. Sivarajan in Bot. Bull. Acad. Sin., n.s., 31(1): 59 (1990)—India.

rosea (Poir.) C.D.K. Cook ex H. Hara in Enum. Fl. Pl. Nepal, 2: 173 (11 June 1979): Ammannia rosea.

tripartita P.L. Beesley in Fl. Australia, 18: 323, 95 (1990)—Australia (N. Terr., Queensland).

vasudevanii K.T. Joseph & V.V. Sivarajan in Proc. Indian Acad. Sci., Pl. Sci., 99(3): 195 (1989)—India.

**ROTHIA** (Legumin.).

indica (L.) N.V. Thuân in Fl. Cambodge, Laos & Vietnam, 23: 195 (1987): Trigonella indica.

×**ROTORARA** hort. in Orchid Rev., 97(1147): centre page pull-out p. 9 (1989). ORCHIDACEAE. (Bollea × Cochleanthea × Kefersteinia).

**ROTTBOELLIA** (Gramin.).

paradoxa R. de Koning & M.S.M. Sosef in Blumea, 31(2): 306 (1986)—Philippine Is.

salina Kitaib. ex Spreng., Nachtr. Bot. Gart. Univ. Halle: 34 (1801); cf. D.J. Mabberley in Taxon, 32(1): 86 (1983)—Locality not stated.

**ROTULA** (Boraginac.).

pohlii (Kuhlmann) E.F. Guimarães & L. Mautone in Rev. Brasil. Biol., 49(1): 65 (1989): Rhabdia pohlii.

**ROUCHERIA** (Linac.).

monsalvae A.H. Gentry in Ann. Missouri Bot. Gard., 75(4): 1433 (1988 publ. 1989), as 'Rouchera'—Colombia.

**ROUPALA** (Proteac.).

paruensis J.A. Steyermark in Ann. Missouri Bot. Gard., 74(3): 613 (1987)—Venezuela.

**ROUREA** (Connarac.).

sect. Bernardinia (Planchon) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 313, 311 (1989): gen. Bernardinia.

sect. Byrsocarpus (Thonn. ex Schum.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 313, 311 (1989): gen. Byrsocarpus.

sect. Roureopsis (Planchon) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 314, 311 (1989): gen. Roureopsis.

sect. Santaloides (Schellenb.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 314, 311 (1989), without exact basionym page: gen. Santaloides.

asplenifolia (Schellenb.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 366 (1989): Roureopsis asplenifolia.

calophylla (Gilg ex Schellenberg) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 317 (1989): Paxia calophylla.

calophylloides (Schellenberg) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 319 (1989): Paxia calophylloides.

coccinea

subsp. boiviniana (Baill.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 332 (1989): R. boiviniana.

var. viridis (Gilg) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 328 (1989): R. viridis.

confundens (Leenh.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 366 (1989): Roureopsis confundens.

dictyophylla C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 366 (1989), nom. nov., without replaced synonym ref.: Agelaea pinnata King.

emarginata (Jack) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 367 (1989): Cnestis emarginata.

erythrocalyx (Gilg ex Schellenb.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 334 (1989): Roureopsis erythrocalyx.

fluminensis (Gardn.) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 367 (1989): Connarus fluminensis.

thomsonii (Baker) C.C.H. Jongkind in Agric. Univ. Wageningen Pap., 89(6): 359 (1989): Connarus thomsonii.

**ROUSSELIA** (Urticac.).

subgen. Bissea I.A. Grudzinskaya in Bot. Zhurn., 71(7): 939 (1986).

cubensis I.A. Grudzinskaya in Bot. Zhurn., 71(7): 939 (1986)—Cuba.

impariflora I.A. Grudzinskaya in Bot. Zhurn., 71(7): 940 (1986)—Cuba.

**RUBIA** (Rubiace.).

alaica M.G. Pakhomova in Opred. Rast. Sred. Azii, 9: 368 (1987)—U.S.S.R. (Middle Asia).

cordifolia

var. alaschanica G.H. Liu in Acta Sci. Nat. Univ. Intramongolicae, 21(4): 570 (1990)—China.

var. coriacea Z.Y. Zhang in Fl. Tsinlingensis, 1(5): 420, 15 (1985)—China.

indica Ten., Cat. Ort. Bot. Nap.: 102 (1845); cf. D.J. Mabberley in Taxon, 32(1): 86 (1983)—Locality not stated.

kurramensis S. Nazimuddin in Fl. Pakistan, 190: 44 (1989)—Pakistan.

membranacea

var. caudata Z.Y. Zhang in Fl. Tsinlingensis, 1(5): 421, 17 (1985)—China.

var. incurvata Z.Y. Zhang in Fl. Tsinlingensis, 1(5): 421, 17 (1985)—China.

**RUBIA** :-

munjith Roxb. ex Playfair, Taleef Shareef: 150 (1833); cf. D.J. Mabberley in Taxon, 32(1): 87 (1983)—Locality not stated.

ovatifolia Z.Y. Zhang in Fl. Tsinlingensis, 1(5): 420, 15 (1985), with two types cited—China.

**RUBUS** (Rosac.).

subgen. Micranthobatus (Fritsch) C. Kalkman in Blumea, 32(2): 324 (1987): R. sect. Micranthobatus.

acutus T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 36 (1882)—Germany.

aestivalis E.H.L. Krause in Bot. Jahrb. Syst., 16, Beibl. 39: 1 (1893)—Europe.

albicans F. Krašan in Verh. Zool.-Bot. Ges. Wien, 15: 357 (1865)—Iran.

alexeterius

var. acaenocalyx (Hara) T.T. Yü & L.T. Lu in Fl. Xizangica, 2: 613 (1985), without basionym ref.: R. acaenocalyx.

aphidifer A. van de Beek & K. Meijer in Gorteria, 16(4): 99 (1990)—Netherlands.

aquarum A. Newton & M. Porter in Watsonia, 18(2): 191 (1990)—Great Britain.

asper

var. glaber (Koidz.) C.F. Hsieh in J. Taiwan Mus., 42(2): 106 (1989): R. croceacantha var. glaber.

atlanticus E.H.L. Krause in Bot. Jahrb. Syst., 16, Beibl. 39: 2 (1893), nom. illegit. superfl. incl. R. sprengelii Wiehe—Europe.

aurora A. van de Beek, R.J. Bijlsma & F.M. Muller in Gorteria, 13(2): 38 (1986)—Netherlands.

barberi H.E. Weber in Abh. Ber. Naturkundemus. Görlitz, 61(8): 35 (1987), nom. nov.: R. rugosus Barber.

beckeri T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 83 (1882)—Germany.

biloensis A. Newton & M. Porter in Watsonia, 18(2): 194 (1990)—Great Britain.

bohemicus F. Krašan in Verh. Zool.-Bot. Ges. Wien, 15: 359 (1865)—Locality not stated.

botryoides T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 82 (1882)—Germany.

braunii T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 72 (1882)—Germany.

canescens

subsp. lloydianus (Genev.) O. de Bolòs & J. Vigo, Fl. Països Catalans: 351 (1984): R. lloydianus.

var. lloydianus (Genev.) O. de Bolòs & J. Vigo, Fl. Països Catalans: 351 (1984): R. lloydianus.

var. subparilis (Sudre) O. de Bolòs & J. Vigo, Fl. Països Catalans: 351 (1984): R. lloydianus f. subparilis.

cintranus (P. Cout.) A.R. Pinto da Silva in Bol. Soc. Brot., 60: 154 (1987): R. lusitanicus subsp. cintranus.

compositus T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 31 (1882)—Germany.

concolor E.H.L. Krause in Bot. Jahrb. Syst., 16, Beibl. 39: 3 (1893), nom. illegit. superfl. incl. R. hirtus Waldst. & Kit.—Locality not stated.

conoides T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 75 (1882)—Germany.

contractipes H.E. Weber in Osnabrücker Naturwiss. Mitt., 14: 144 (1988)—Germany.

contritidens A. van de Beek & K. Meijer in Gorteria, 16(4): 93 (1990)—Netherlands.

cooperi D.G. Long in Notes Roy. Bot. Gard. Edinburgh, 44(2): 259 (1987)—Bhutan.

cordatifolius (Rogers ex Riddelsd.) D.E. Allen in Watsonia, 17(4): 437 (1989): R. dumnoniensis var. cordatifolius.

cordiformis C. Kalkman in Blumea, 32(2): 331 (1987)—New Guinea (Papua New Guinea).

dejonghii A. van de Beek in Gorteria, 14(1): 22 (1988)—Netherlands.

demissus H.E. Weber & Martensen in Drosera, 1987(2): 76 (1987)—Germany.

drenthicus A. van de Beek & K. Meijer in Gorteria, 16(4): 97 (1990)—Netherlands.

ebudensis A. Newton in Watsonia, 17(2): 173 (1988)—Great Britain.

fanjingshanensis L.T. Lu ex D.E. Boufford, Z.H. Tsi & P.S. Wang in J. Arnold Arbor., 71(1): 123 (1990)—China.

florulentus T. Braeucker, 292 Deutsche Rubus-Arten und Formen: 30 (1882)—Germany.

**RUBUS :-**

- fockei T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 39 (1882)—Germany.
- galbanus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 30 (1882)—Germany.
- gallofuscus A. Newton & M. Porter in *Watsonia*, 18(2): 193 (1990)—Great Britain.
- glandulosocarpus M.X. Nie in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 43 (1989)—China.
- glaucofolius  
subsp. ganderi (Bailey) R.M. Beauchamp in *Phytologia*, 59(7): 440 (1986): R. ganderi.
- haesitans H.O. Martensen & Walsemann in *Svensk Bot. Tidskr.*, 81(4): 265 (1987)—Germany, Denmark.
- hastiferus H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 14: 140 (1988)—Germany.
- hercynicus  
subsp. pubescens (Sudre) H.E. Weber in *Abh. Ber. Naturkundemus. Görlitz*, 61(8): 35 (1987): R. hirtus var. pubescens.
- hirsutior Fritschen ex H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 14: 144 (1988)—Germany.
- hirsutus  
var. brevipedicellus Z.M. Wu in *Guihaia*, 8(3): 237 (1988)—China.
- histriculus H.E. Weber in *Drosera*, 1987(2): 80 (1987)—Germany.
- horstensis Focke ex T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 32 (1882)—Germany.
- ilicebrosus  
var. yakusimensis (Masamune) Hatusima ex H. Ohba in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 89 (1987): R. yakusimensis.
- incisus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 476 (1784)—Japan.†
- juennensis G.H. Leute & W. Maurer in *Carinthia II*, 173/93: 237 (1983)—Austria.
- lainzii H.E. Weber in *An. Jard. Bot. Madrid*, 47(2): 333 (1989 publ. 1990)—Spain.
- lambertianus  
var. morii (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 430 (1985): R. morii.
- macvaughianus J. Rzedowski & G. Calderón de Rzedowski in *Acta Bot. Mex.*, 5: 1 (1989)—Mexico.
- ×masakii N. Naruhashi in *J. Phytogeogr. Taxon.*, 37(1): 1 (1989)—Japan. (R. crataegifolius × hirsutus).
- merlini A. Newton & M. Porter in *Watsonia*, 18(2): 195 (1990)—Great Britain.
- micranthus O. Sendtner in *Flora*, 39(13): 200 (1856)—Germany.
- montanus  
f. macromontanus H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 15: 106 (1989)—Czechoslovakia, Austria, France, Germany.
- mucronatus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 90 (1882)—Germany.
- nagasawanus  
var. arachnoideus (Liu & Lu) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 422 (1985): R. arachnoideus.
- niveus  
var. micranthus (D. Don) H. Hara in *Enum. Fl. Pl. Nepal*, 2: 146 (1979): R. micranthus.
- palmaris C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 475 (1784)—Japan.†
- f. coronarius H. Ohba in *J. Jap. Bot.*, 64(5): 160 (1989)—Japan.
- var. yakumontanus (Masam.) Hatusima ex H. Ohba in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 90 (1987): R. yakumontanus.
- passionis A. van de Beek & K. Meijer in *Gorteria*, 16(4): 99 (1990)—Netherlands.
- picticaulis H.E. Weber in *Drosera*, 1987(2): 72 (1987)—Germany.
- prahlis Focke ex R. Hülsen in *Verh. Bot. Ver. Prov. Brandenburg*, 40: xxxiii (1898 publ. 1899)—Germany.
- pullus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 52 (1882)—Germany.
- rectangulatus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 69 (1882)—Germany.
- rhynchophyllus H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 14: 148 (1988)—Germany.
- rosaefolius  
var. inermis Z.X. Yu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 139 (1988)—China.

**RUBUS :-**

- var. wuyishanensis Z.X. Yu in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(1): 152 (1986)—China.
- rotundifolius F. Krašan in *Verh. Zool.-Bot. Ges. Wien*, 15: 357 (1865)—Yugoslavia, France, Italy.
- royenii C. Kalkman in *Blumea*, 32(2): 333 (1987)—New Guinea (Papua New Guinea, W. Irian), New Britain.
- var. hispidus C. Kalkman in *Blumea*, 32(2): 336 (1987)—New Guinea (Papua New Guinea), New Britain.
- var. ikilimbu (P. Royen) C. Kalkman in *Blumea*, 32(2): 336 (1987): R. diclinis var. ikilimbu.
- rubiginosus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 62 (1882)—Germany.
- schnedleri H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 15: 109 (1989)—Germany.
- ×seminepalensis N. Naruhashi in *J. Jap. Bot.*, 65(6): 187 (1990)—Nepal. (R. nepalensis × treutleri).
- sikkimensis  
var. canescens Hara ex D.G. Long in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 262 (1987)—Bhutan.
- stans  
var. soulieanus (Card.) T.T. Yü & L.T. Lu in *Fl. Xizangica*, 2: 618 (1985), without basionym ref.: R. soulieanus.
- subobscurus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 53 (1882)—Germany.
- suecicus H.E. Weber & T. Karlsson in *Svensk Bot. Tidskr.*, 82(3): 209 (1988)—Sweden.
- tagallus  
var. lanyuensis (Chang) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 447 (1985): R. lanyuensis.
- tavensis A. Newton & M. Porter in *Watsonia*, 18(2): 189 (1990)—Great Britain.
- tenellus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 30 (1882)—Germany.
- thyrsigeriformis (Sudre) D.E. Allen in *Watsonia*, 17(4): 436 (1989): R. insericatus var. thyrsigeriformis.
- tokinibara (Hara) N. Naruhashi in *J. Phytogeogr. Taxon.*, 38(1): 26 (1990): R. ilicebrosus f. tokinibara.
- trifidus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 476 (1784)—Japan.†
- triphyllus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 475 (1784)—Japan.†
- umbrosus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 31 (1882)—Germany.
- vastulus T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 74 (1882)—Germany.
- velaris T. Braeucker, 292 *Deutsche Rubus-Arten und Formen*: 82 (1882)—Germany.
- villosus C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 475 (1784)—Japan.†
- visurgianus H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 14: 152 (1988)—Germany.
- widderi W. Maurer in *Phyton (Austria)*, 26(2): 227 (1987)—Austria.
- xiphophorus H.E. Weber in *Osnabrücker Naturwiss. Mitt.*, 15: 113 (1989)—Germany.

**RUDBECKIA (Compos.).**

- scabrifolia L.E. Brown in *Phytologia*, 61(6): 367 (1986)—U.S.A. (Texas).
- texana (Perdue) P.B. Cox & L.E. Urbatsch in *Phytologia*, 67(5): 366 (1989): R. nitida var. texana.

**RUDGEA (Rubiace.).**

- corocoroensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(1): 349 (1988)—Venezuela.

**RUELLIA (Acanthac.).**

- breedlovei T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 145 (1990)—Mexico.
- brevifolia (Pohl) C. Ezcurra in *Darwiniana*, 29(1-4): 278 (1989): *Stephanophyllum brevifolium*.
- calimensis D.C. Wasshausen in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 249 (1989)—Colombia.
- chartacea (T. Anders.) D.C. Wasshausen in *Op. Bot.*, 92: 265 (1987): *Aphelandra chartacea*.
- cuatrecasasii D.C. Wasshausen in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 251 (1989)—Colombia.
- digitalis N.L. Burman, *Fl. Malabar.*: 10 (1769); fide D.J. Mabberley in *Taxon*, 26(5-6): 540 (1977)—India.

**RUELLIA :-**

- golfodulcensis L.H. Durkee in *Fieldiana, Bot.*, n.s., 18: 75 (1986)—Costa Rica.
- haenkeana (Nees) D.C. Wasshausen in *Beitr. Biol. Pfl.*, 63(3): 423 (1988): *Arrhoxystylum haenkeanum*.
- japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 576 (1784)—Japan.†
- macrosolen Lillo ex C. Ezcurra in *Syst. Bot.*, 14(3): 297 (1989)—Argentina, Bolivia, Paraguay.
- macvaughii T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 159 (1990), as 'mcvaughii'—Mexico.
- mirandana T.P. Ramamoorthy & Y. Hornelas Uribe in *Pl. Syst. Evol.*, 159(3-4): 161 (1988), nom. nov.: *Blechnum grandiflorum Oersted*.
- novogaliciana T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 157 (1990)—Mexico.
- obovata Roxb. ex Horne., *Hort. Hafn., Suppl.*: 144 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.
- obovata F. Buchanan-Hamilton in *Trans. Linn. Soc.*, 14: 292 (1824); fide D.J. Mabberley in *Taxon*, 26(5-6): 530 (1977)—India.
- palustris L.H. Durkee in *Fieldiana, Bot.*, n.s., 18: 77 (1986)—Costa Rica.
- petiolaris (Nees) T.F. Daniel in *Contrib. Univ. Mich. Herb.*, 17: 139 (1990): *Gymnacanthus petiolaris*.
- rauhii D.C. Wasshausen in *Beitr. Biol. Pfl.*, 63(3): 421 (1988)—Peru.
- sarukhaniana T.P. Ramamoorthy in *Ann. Missouri Bot. Gard.*, 75(4): 1664 (1988 publ. 1989)—Mexico.
- sindica A. Ghafor & H. Heine in *Willdenowia*, 16(1): 122 (1986), nom. nov.: *Dipteracanthus longifolius Stocks*.
- tuxtensis T.P. Ramamoorthy & Y. Hornelas Uribe in *Pl. Syst. Evol.*, 159(3-4): 162 (1988)—Mexico.

**RUILOPEZIA (Compos.).**

- emmanuelis J. Cuatrecasas in *Phytologia*, 61(1): 56 (1986)—Venezuela.
- usubillagae J. Cuatrecasas in *Phytologia*, 61(1): 53 (1986)—Venezuela.
- vergae J. Cuatrecasas & López-Figueiras in *Phytologia*, 61(1): 58 (1986)—Venezuela.

**RUIZTERANIA (Vochysiac.).**

- obtusata  
subsp. multivenosa L. Marciano-Berti in *Pittieria*, 18: 6 (1989)—Venezuela.

**RULINGIA (Sterculiac.).**

- hermaniifolia (DC.) Endl., *Cat. Horti Vindob.*, 2: 358 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Basionym not stated.

**RUMEX (Polygonac.).**

- acetosa  
subsp. hibernicus (Rech. f.) J.R. Akeroyd in *Watsonia*, 17(4): 444 (1989): R. hibernicus.
- subsp. planellae (Pau & Merino) F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 599 (1987): R. planellae.
- altissimus  
subsp. ellipticus (Greene) Á. Löve in *Taxon*, 35(3): 612 (1986): R. ellipticus.
- aquaticus  
subsp. nematopodus (K.H. Rech.) Á. Löve in *Taxon*, 35(3): 612 (1986): R. nematopodus.
- subsp. tomentellus (K.H. Rech.) Á. Löve in *Taxon*, 35(3): 612 (1986): R. tomentellus.
- bucephalophorus  
var. frutescens (Burm.) J.R. Press in *Bot. J. Linn. Soc.*, 97(4): 354 (1988): R. bucephalophorus subsp. frutescens.
- var. stenocarpus (G. Beck) J.R. Press in *Bot. J. Linn. Soc.*, 97(4): 352 (1988): R. bucephalophorus f. stenocarpus.
- crispus  
subsp. littoreus (Hardy) J.R. Akeroyd in *Watsonia*, 17(4): 444 (1989): R. crispus var. littoreus.
- subsp. uliginosus (Le Gall) J.R. Akeroyd in *Watsonia*, 17(4): 444 (1989): R. crispus var. uliginosus.
- densiflorus  
subsp. orthoneurus (K.H. Rech.) Á. Löve in *Taxon*, 35(3): 612 (1986): R. orthoneurus.
- subsp. pycnanthus (K.H. Rech.) Á. Löve in *Taxon*, 35(3): 612 (1986): R. pycnanthus.



**RUMEX** :-

- gangotriensis *B.S. Aswal & S.K. Srivastava in Candollea*, 42(1): 389 (1987)—India.
- ×halacsyi *C. Rechinger in Verh. Zool.-Bot. Ges. Wien*, 49: 105 (1899)—Greece. (*R. limosus* × *pulcher*).
- hultenii *N.N. Tsvetlev in Novosti Sist. Vyssh. Rast.*, 24: 73 (1987)—U.S.S.R. (Soviet Far East).
- intermedius  
subsp. algarbiensis *Rech. f. ex G. López González in An. Jard. Bot. Madrid*, 44(2): 585 (1987)—Portugal.
- kaschgaricus *C.Y. Yang in Claves Pl. Xinjiang.*, 2: 96 (1982), without latin descr. or type—Xinjiang.
- leptocaulis *J. Brandbyge & K.H. Rechinger in Nordic J. Bot.*, 9(2): 203 (1989)—Ecuador.
- ×ogulinensis *V. Borbás in Magyar Bot. Lapok.*, 3: 49 (1904)—Hungary. (*R. obtusifolius* × *pulcher*).
- pallidus  
subsp. subarcticus (*Lepage*) *Á. Löve in Taxon*, 35(3): 613 (1986): *R. subarcticus*.
- papillaris  
subsp. javalambrensis (*Pau*) *G. López González in An. Jard. Bot. Madrid*, 44(2): 584 (1987): *R. javalambrensis*.
- ×salisburgensis *C. Fritsch & C. Rechinger in Verh. Zool.-Bot. Ges. Wien*, 48: 253 (1898)—Austria. (*R. conglomeratus* × *silvester*).
- scutatus  
subsp. gallaecicus *E. Lago in An. Jard. Bot. Madrid*, 45(2): 553 (1988 publ. 1989)—Spain.
- undulatus *Hort. Par. ex Hornem., Hort. Hafn.*: 351 (1813); cf. *D.J. Mabberley in Taxon*, 33(3): 437 (1984)—Locality not stated.
- verticillatus  
subsp. fascicularis (*Small*) *Á. Löve in Taxon*, 35(3): 613 (1986): *R. fascicularis*.
- subsp. floridanus (*Meisn.*) *A. Löve in Taxon*, 35(3): 613 (1986): *R. floridanus*.

**RUMFORDIA** (Compos.).

- exauriculata *B.L. Turner in Phytologia*, 65(6): 491 (1989)—Mexico.

**RUNGIA** (Acanthac.).

- adnata (*Imlay*) *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989): *Justicia adnata*.
- burmanica (*C.B. Clarke*) *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989): *Justicia burmanica*.
- clauda (*R. Ben.*) *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989): *Justicia clauda*.
- eberhardtii (*R. Ben.*) *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989): *Justicia eberhardtii*.
- laticor  
var. anamalayana *M. Chandrasekaran & V. Chandrasekaran in J. Bombay Nat. Hist. Soc.*, 84(3): 722 (1987 publ. 1988)—India.
- monetaria (*R. Ben.*) *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989): *Justicia monetaria*.
- naoensis *B. Hansen in Nordic J. Bot.*, 9(2): 211 (1989)—Thailand.
- oligoneura (*Imlay*) *B. Hansen in Nordic J. Bot.*, 9(2): 212 (1989): *Justicia oligoneura*.
- purpurascens (*Ridl.*) *B. Hansen in Nordic J. Bot.*, 9(2): 212 (1989): *Justicia purpurascens*.
- selangorensis (*C.B. Clarke*) *B. Hansen in Nordic J. Bot.*, 9(2): 213 (1989): *Justicia selangorensis*.
- subtilifolia (*Imlay*) *B. Hansen in Nordic J. Bot.*, 9(2): 213 (1989): *Justicia subtilifolia*.
- vegeta (*Ridl.*) *B. Hansen in Nordic J. Bot.*, 9(2): 213 (1989): *Justicia vegeta*.

**RUPICAPNOS** (Papaverac.).

- subsect. *Sarcocapnoides* (*Pugsley*) *M. Lidén in Op. Bot.*, 88: 92 (1986): *R. sect. Sarcocapnoides*.
- calcarata *M. Lidén in Op. Bot.*, 88: 104 (1986), without type—Algeria.
- longipes  
subsp. aurasiaca *Maire ex M. Lidén in Op. Bot.*, 88: 101 (1986)—Algeria.
- subsp. reboudiana (*Pomel*) *M. Lidén in Op. Bot.*, 88: 102 (1986): *R. reboudiana*.

**RUPIPHILA** *M.G. Pimenov & T.V. Lavrova in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(2): 97 (1986).

- UMBELLIFERAE.**
- tachiroei (*Franch. & Savat.*) *M.G. Pimenov & T.V. Lavrova in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(2): 97 (1986): *Seseli tachiroei*.

**RUPRECHTIA** (Polygonac.).

- maracaensis *J. Brandbyge in Nordic J. Bot.*, 10(2): 155 (1990)—Brazil.
- nitida *J. Brandbyge in Nordic J. Bot.*, 10(2): 158 (1990)—Brazil.

**RYTIDOSPERMA** (Gramin.).

- australe (*Petrie*) *Clayton & Renvoize ex H.E. Connor & E. Edgar in New Zealand J. Bot.*, 25(1): 166 (1987): *Triodia australis*.
- pumilum (*Kirk*) *Clayton & Renvoize ex H.E. Connor & E. Edgar in New Zealand J. Bot.*, 25(1): 166 (1987): *Atropis pumila*.

**RYTIGYNIA** (Rubiace.).

- subgen. *Fadogiopsis* *B. Verdcourt in Kew Bull.*, 42(1): 185 (1987).
- subgen. *Sali* *B. Verdcourt in Kew Bull.*, 42(1): 185 (1987).
- acuminatissima  
subsp. pedunculata *B. Verdcourt in Kew Bull.*, 42(1): 154 (1987)—Burundi.
- adenodonta  
var. reticulata (*Robyns*) *B. Verdcourt in Kew Bull.*, 42(1): 167 (1987): *R. reticulata*.
- bridsoniae  
subsp. kahuzica *B. Verdcourt in Kew Bull.*, 42(1): 160 (1987)—Zaire.
- bugoyensis  
subsp. glabriflora *B. Verdcourt in Kew Bull.*, 42(1): 184 (1987)—Tanzania, Malawi.
- caudatissima *B. Verdcourt in Kew Bull.*, 42(1): 180 (1987)—Tanzania.
- celastroides (*Baill.*) *B. Verdcourt in Kew Bull.*, 42(1): 171 (1987): *Canthium celastroides*.
- var. australis *B. Verdcourt in Kew Bull.*, 42(1): 172 (1987)—Mozambique.
- var. nuda *B. Verdcourt in Kew Bull.*, 42(1): 171 (1987)—Zanzibar, Tanzania.
- griseovelutina *B. Verdcourt in Kew Bull.*, 42(1): 183 (1987)—Tanzania.
- hirsutiflora *B. Verdcourt in Kew Bull.*, 42(1): 183 (1987)—Tanzania.
- ignobilis *B. Verdcourt in Kew Bull.*, 42(1): 164 (1987)—Tanzania.
- induta (*Bullock*) *B. Verdcourt & D.M. Bridson in Kew Bull.*, 42(1): 169 (1987): *Canthium indutum*.
- lichenoxenos  
subsp. glabrituba *B. Verdcourt in Kew Bull.*, 42(1): 169 (1987)—Tanzania.
- longicaudata *B. Verdcourt in Kew Bull.*, 42(1): 180 (1987)—Tanzania.
- macrura *B. Verdcourt in Kew Bull.*, 42(1): 178 (1987)—Zimbabwe, Malawi, Mozambique.
- monantha  
var. lusakati *B. Verdcourt in Kew Bull.*, 42(1): 174 (1987)—Tanzania.
- mrimaensis *B. Verdcourt in Kew Bull.*, 42(1): 170 (1987)—Kenya.
- neglecta  
var. vatkeana (*Hiern*) *B. Verdcourt in Kew Bull.*, 42(1): 158 (1987): *Canthium vatkeanum*.
- parvifolia *B. Verdcourt in Kew Bull.*, 42(1): 172 (1987)—Kenya.
- pawekiae *B. Verdcourt in Kew Bull.*, 42(1): 168 (1987), as 'pawekae'—Malawi.
- pergracilis *B. Verdcourt in Kew Bull.*, 42(1): 157 (1987)—Tanzania.
- pseudolongicaudata *B. Verdcourt in Kew Bull.*, 42(1): 182 (1987)—Tanzania.
- pubescens *B. Verdcourt in Kew Bull.*, 42(1): 168 (1987)—Tanzania.
- rubiginosa  
subsp. cymigera (*Brem.*) *B. Verdcourt in Kew Bull.*, 42(1): 175 (1987): *Hutchinsonia cymigera*.
- saliensis *B. Verdcourt in Kew Bull.*, 42(1): 185 (1987)—Tanzania.
- uhligii (*K. Schum. & K. Krause*) *B. Verdcourt in Kew Bull.*, 42(1): 165 (1987): *Vangueria uhligii*.

**S****SABAZIA** (Compos.).

- elata (*Canne*) *B.L. Turner in Phytologia*, 65(6): 495 (1989): *Galinsoga elata*.
- glandulosa (*Canne*) *B.L. Turner in Phytologia*, 65(6): 495 (1989): *Galinsoga glandulosa*.
- gonzaleziae *B.L. Turner in Phytologia*, 63(4): 307 (1987), as 'gonzalezae'—Mexico.
- macdonaldii *B.L. Turner in Phytologia*, 68(3): 157 (1990)—Mexico.

**SABIA** (Sabiace.).

- calcicola *C.Y. Wu ex S.K. Chen in Fl. Yunnanica*, 4: 333 (1986)—China.
- latifolia  
var. omeiensis (*Stapf ex L. Chen*) *S.K. Chen in Fl. Yunnanica*, 4: 325 (1986): *S. omeiensis*.
- schumanniana  
subsp. longipes (*Rehd. & Wils.*) *C.Y. Chang in Fl. Sichuanica*, 4: 161 (1988): *S. schumanniana* var. longipes.
- swinhoei  
var. parvifolia *Y.H. Xiang & Q.H. Chen ex D.E. Boufford, Z.H. Tsi & P.S. Wang in J. Arnold Arbor.*, 71(1): 126 (1990)—China.

**SABICEA** (Rubiace.).

- bariensis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 350 (1988)—Venezuela.

**SACCIOLEPIS** (Gramin.).

- indica  
var. intermedia *S.M. Almeida in J. Bombay Nat. Hist. Soc.*, 83(1): 184 (1986)—India.
- subsp. oryzetorum (*Makino*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 527 (1987): *Panicum indicum* var. oryzetorum.
- otachyrioides *E.J. Judziewicz in Syst. Bot.*, 15(3): 418 (1990)—Guyana, Colombia, Venezuela, Brazil, Bolivia.

**SACHOKIELLA** *A.A. Kolakovskii in Soobshch. Akad. Nauk Gruz. SSR*, 118(3): 595 (1985).

- CAMPANULACEAE.**
- macrochlamys (*Boiss. & Huet.*) *A.A. Kolakovskii in Soobshch. Akad. Nauk Gruz. SSR*, 118(3): 595 (1985): *Campanula macrochlamys*.

**SAGERETIA** (Rhamnace.).

- thea  
var. bilocularis *S.Y. Liu in Guihaia*, 7(4): 293 (1987)—China.
- var. bornmuelleri (*Schneid.*) *M.C. Johnston ex H. Hara in Enum. Fl. Pl. Nepal*, 2: 92 (1979): *S. brandrethiana* var. bornmuelleri.

**SAGITTARIA** (Alismatace.).

- tengtsungensis *H. Li in Fl. Yunnanica*, 4: 767 (1986)—China.

**SAGUERUS** (Palmae).

- rumphii *W. Roxburgh ex W. Ainslie, Materia indica*, 2: 225 (1826); fide *D.J. Mabberley in Taxon*, 26(5–6): 535 (1977)—India.

**SAINTMORYSIA** (Compos.).

- dentata (*L.*) *Endl., Cat. Horti Vindob.*, 1: 367 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984): *Athanasia dentata*.

**SAIROCARPUS** *D.A. Sutton, Revis. tribe*

- Antirrhineae*: 461 (1988). **SCROPHULARIACEAE.**
- breweri (*A. Gray*) *D.A. Sutton, Revis. tribe Antirrhineae*: 474 (1988): *Antirrhinum breweri*.
- cornutus (*Benth.*) *D.A. Sutton, Revis. tribe Antirrhineae*: 468 (1988): *Antirrhinum cornutum*.
- costatus (*Wiggins*) *D.A. Sutton, Revis. tribe Antirrhineae*: 472 (1988): *Antirrhinum costatum*.
- coulterianus (*A.D.C.*) *D.A. Sutton, Revis. tribe Antirrhineae*: 468 (1988): *Antirrhinum coulterianum*.
- elmeri (*Rothm.*) *D.A. Sutton, Revis. tribe Antirrhineae*: 475 (1988): *Antirrhinum elmeri*.
- kingii (*S. Watson*) *D.A. Sutton, Revis. tribe Antirrhineae*: 470 (1988): *Antirrhinum kingii*.

**SAIROCARPUS :-**

- multiflorus (Pennell) D.A. Sutton, *Revis. tribe Antirrhineae*: 467 (1988): Antirrhinum multiflorum.  
 nuttallianus (A.DC.) D.A. Sutton, *Revis. tribe Antirrhineae*: 464 (1988): Antirrhinum nuttallianum.  
 pusillus (T.S. Brandege) D.A. Sutton, *Revis. tribe Antirrhineae*: 466 (1988): Antirrhinum pusillum.  
 subcordatus (A. Gray) D.A. Sutton, *Revis. tribe Antirrhineae*: 477 (1988): Antirrhinum subcordatum.  
 vexillocalyculatus (Kellogg) D.A. Sutton, *Revis. tribe Antirrhineae*: 472 (1988): Antirrhinum vexillocalyculatum.  
 virga (A. Gray) D.A. Sutton, *Revis. tribe Antirrhineae*: 466 (1988): Antirrhinum virga.  
 watsonii (Vasey & Rose) D.A. Sutton, *Revis. tribe Antirrhineae*: 471 (1988): Antirrhinum watsonii.

**SALACCA (Palmae).**

- graciliflora J.P. Moge in *Fed. Mus. J. (Kuala Lumpur)*, 29: 6 (1984)—Malaya.  
 minuta J.P. Moge in *Fed. Mus. J. (Kuala Lumpur)*, 29: 11 (1984)—Malaya.  
 multiflora J.P. Moge in *Fed. Mus. J. (Kuala Lumpur)*, 29: 13 (1984)—Malaya.  
 ramosiana J.P. Moge in *Principes*, 30(4): 161 (1986)—Borneo (Sabah), Philippine Is.

**SALACIA (Celastrac.).**

- alwynii A.M.W. Mennega in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(1): 84 (1984)—Peru, Venezuela.  
 annettiae N. Hallé in *Fl. Gabon*, 29: 134 (1986)—Gabon.  
 belingana N. Hallé in *Fl. Gabon*, 29: 148 (1986)—Gabon.  
 bullata A.M.W. Mennega in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(1): 81 (1984)—Brazil.  
 capitulata N. Hallé in *Fl. Gabon*, 29: 116 (1986)—Gabon, Cameroun, Zaïre.  
 cerasifera  
   *var. wendjiensis* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 110 (1986): S. wendjiensis.  
 coronata N. Hallé in *Fl. Gabon*, 29: 154 (1986)—Gabon.  
 dimidia N. Hallé in *Fl. Gabon*, 29: 102 (1986)—Cameroun.  
 diplasia N. Hallé in *Fl. Gabon*, 29: 101 (1986)—Gabon.  
 elegans  
   *var. inurbana* N. Hallé in *Fl. Gabon*, 29: 153 (1986)—Gabon.  
 erecta  
   *var. dewildemaniana* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 115 (1986): S. dewildemaniana.  
   *var. kabweensis* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 115 (1986): S. kabweensis.  
   *var. leonardii* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 115 (1986): S. leonardii.  
 ferrifodina N. Hallé in *Fl. Gabon*, 29: 104 (1986)—Gabon.  
 germainii  
   *var. chlorion* (Hallé) N. Hallé in *Fl. Gabon*, 29: 109 (1986): S. chlorion.  
 lehmbachii  
   *var. aurantiaca* (Hallé) N. Hallé in *Fl. Gabon*, 29: 74 (1986): S. uregaensis *var. aurantiaca*.  
   *var. leonensis* (Hutchinson & M.B. Moss) N. Hallé in *Fl. Gabon*, 29: 73 (1986): S. leonensis.  
   *var. manus-lacertae* N. Hallé in *Fl. Gabon*, 29: 73 (1986)—Gabon.  
   *var. pes-ranulae* N. Hallé in *Fl. Gabon*, 29: 75 (1986)—Cameroun.  
   *var. uregaensis* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 74 (1986): S. uregaensis.  
 letouzeyana N. Hallé in *Fl. Gabon*, 29: 86 (1986)—Cameroun, Nigeria.  
 loloensis  
   *var. sibangana* N. Hallé in *Fl. Gabon*, 29: 82 (1986)—Gabon, Cameroun, Nigeria.  
 longipes (Oliver) N. Hallé in *Fl. Gabon*, 29: 65 (1986): Hippocratea? longipes.  
   *var. camerunensis* (Loesener) N. Hallé in *Fl. Gabon*, 29: 66 (1986): S.? camerunensis.  
   *var. longipetiolata* (Loesener) N. Hallé in *Fl. Gabon*, 29: 69 (1986): S. camerunensis *var. longipetiolata*.

**SALACIA :-**

- lovettii N. Hallé & B. Mathew in *Kew Bull.*, 41(2): 399 (1986)—Tanzania.  
 mamba N. Hallé in *Fl. Gabon*, 29: 145 (1986)—Gabon, Cameroun, Congo - Brazzaville.  
 nitida  
   *var. bipindensis* (Loesener) N. Hallé in *Fl. Gabon*, 29: 144 (1986): S. bipindensis.  
 paradoxa A.M.W. Mennega in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 87(1): 87 (1984)—Brazil.  
 pierrei N. Hallé in *Fl. Gabon*, 29: 128 (1986)—Gabon.  
 preussii  
   *var. louisii* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 52 (1986): S. louisii.  
 staudiana  
   *var. cerasiocarpa* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 63 (1986): S. tshopoensis *var. cerasiocarpa*.  
   *var. scaphodisca* N. Hallé in *Fl. Gabon*, 29: 64 (1986)—Gabon, Congo - Brazzaville.  
   *var. tshopoensis* (De Wildeman) N. Hallé in *Fl. Gabon*, 29: 62 (1986): S. tshopoensis.  
 subicterica N. Hallé in *Fl. Gabon*, 29: 84 (1986)—Gabon.  
 tuberculata  
   *var. ngaziensis* (Louis ex Wilczek) N. Hallé in *Fl. Gabon*, 29: 123 (1986): S. ngaziensis.  
 villiersii N. Hallé in *Fl. Gabon*, 29: 123 (1986)—Gabon.  
 whytei  
   *var. toussaintii* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 100 (1986): S. toussaintii.  
   *var. vermoesiana* (Wilczek) N. Hallé in *Fl. Gabon*, 29: 96 (1986): S. vermoesiana.

**SALICORNIA (Chenopodiace.).**

- borealis S.L. Wolff & R.L. Jefferies in *Canad. J. Bot.*, 65(7): 1425 (1987)—Canada (Manitoba).  
 maritima S.L. Wolff & R.L. Jefferies in *Canad. J. Bot.*, 65(7): 1424 (1987)—Canada (Quebec, New Brunswick, Nova Scotia).  
 oliveri  
   *var. nidiformis* (König) M. Kerguelen in *Lejeunia*, 120: 153 (1987): S. stricta subsp. nidiformis.  
 vicensis (J. Duvigneaud) J. Duvigneaud in *Bull. Jard. Bot. Nation. Belg.*, 57(3-4): 459 (1987): S. ramosissima *var. vicensis*.

**SALIX (Salicac.).**

- nothosect. Amylix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 126 (1987). (S. sect. Amygdaline × sect. Salix).  
 nothosect. Amytrix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 133 (1987). (S. sect. Amygdalinae × sect. Vetrix).  
 nothosect. Calix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 133 (1987). (S. sect. Canae × sect. Helix).  
 nothosect. Camen T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 132 (1987). (S. sect. Canae × sect. Vimen).  
 nothosect. Catix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 131 (1987). (S. sect. Canae × sect. Vetrix).  
 nothosect. Hetrix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 132 (1987). (S. sect. Helix × sect. Vetrix).  
 nothosubgen. Velix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 133 (1987). (S. subgen. Salix × subgen. Vetrix).  
 nothosect. Vimetrix T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 130 (1987). (S. sect. Vetrix × sect. Vimen).  
 alba  
   *var. subintegra* (C. Wang & P.Y. Fu) N. Chao in *Bull. Forest Pl. Res.*, 3: 2 (1985): S. paraplesia *var. subintegra*.  
 annulifera  
   *var. glabra* P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 49 (1987)—China.  
 arbutifolia  
   *f. adenantha* (Kimura) A. Kimura in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(3): 146 (1988): Chosenia macrolepis *monstr. adenantha*.  
 babylonica  
   *var. glandulipilosa* P.Y. Mao & W.Z. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 79 (1986)—China.

**SALIX :-**

- bhutanensis  
   *var. lasiopes* (C. Wang & P.Y. Fu) N. Chao in *Bull. Forest Pl. Res.*, 3: 3 (1985): S. lasiopes.  
   *var. yadongensis* (N. Chao) N. Chao in *Bull. Forest Pl. Res.*, 3: 4 (1985): S. yadongensis.  
 breviserrata  
   subsp. fontqueri T.E. Díaz Gonzalez, J.A. Fernández Prieto & H. Nava in *Fontqueria*, 21: 10 (1988)—Spain.  
   subsp. picoeuropaeana (Lainz) K.H. Rechinger in *An. Jard. Bot. Madrid*, 44(2): 596 (1987)—S. repens subsp. picoeuropaeana.  
 chienii  
   *var. pubigera* N. Chao in *Bull. Forest Pl. Res.*, 3: 4 (1985)—China.  
 chingshuishanensis S.S. Ying in *J. Jap. Bot.*, 63(2): 51 (1988)—Taiwan.  
 cinerea  
   *var. atrocinerea* (Brot.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 525 (1990): S. atrocinerea.  
 contortiapiculata P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 43 (1987)—China.  
 cupularis  
   *var. acutifolia* S.Q. Zhou in *Acta Bot. Bor.-Occid. Sin.*, 4(1): 2 (1984)—China.  
 daguanensis P.Y. Mao & P.X. He in *Acta Bot. Yunnanica*, 9(1): 45 (1987)—China.  
 dolia  
   *var. lineariloba* N. Chao in *Bull. Forest Pl. Res.*, 3: 4 (1985)—China.  
 ×ericiataphylloides A. Kimura in *J. Jap. Bot.*, 60(9): 269 (1985)—Japan. (S. bakko × shiraii).  
 ernesti  
   *var. wangii* (Görz) N. Chao in *Bull. Forest Pl. Res.*, 3: 5 (1985): S. wangii.  
 ×expectata Rivas-Martínez, T.E. Díaz Gonzalez, J.A. Prieto, J. Loidi & A. Penas in *Acta Bot. Malacitana*, 12: 128 (1987)—Spain. (S. atrocinerea × cantabrica).  
 fargesii  
   *var. hypotricha* N. Chao in *Bull. Forest Pl. Res.*, 3: 5 (1985)—China.  
 fengiana  
   *var. gymnocarpa* P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 53 (1987)—China.  
 fengxianica N. Chao in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 115 (1985)—China.  
 floccosa  
   *var. leioygina* P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 49 (1987)—China.  
 forbesii Sweet, *Hort. Brit.*, ed. 2: 469 (1830); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.  
 fruticulosa S. de Lacroix in *Bull. Soc. Bot. France*, 6: 566 (1860)—France.  
 glarearum P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 49 (1987), as 'glareorum'—China.  
 gussonei S. Brullo & G. Spampinato in *Willdenowia*, 17(1-2): 5 (1988)—Sicily.  
 hastata  
   subsp. hastatella (Rech. f.) O. de Bolòs & J. Vigo, *Fl. Països Catalans*, 2: 534 (1990): S. hastatella.  
   subsp. picoeuropeana (Lainz) T.E. Díaz Gonzalez, J.A. Fernández Prieto & H. Nava in *Fontqueria*, 21: 14 (1988): S. repens subsp. picoeuropeana.  
   subsp. sierrae-nevadae K.H. Rechinger in *An. Jard. Bot. Madrid*, 44(2): 596 (1987)—Spain.  
 hastatella K.H. Rechinger in *An. Jard. Bot. Madrid*, 44(2): 597 (1987)—France.  
 integra C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 880 (1784)—Japan.†  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 879 (1784)—Japan.†  
 jinchuanica N. Chao in *Fl. Sichuanica*, 3: 287 (1985)—China.  
 kungmuensis P.Y. Mao & W.Z. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 80 (1986)—China.  
 ×legionensis F. Llamas & Á. Penas in *An. Jard. Bot. Madrid*, 47(2): 510 (1989 publ. 1990)—Spain. (S. cantabrica × salvifolia).  
 ×longissima T.E. Díaz Gonzalez & J. Andrés in *Acta Bot. Malacitana*, 12: 132 (1987)—Spain. (S. elaeagnos subsp. angustifolia × viminalis).  
 longissimipedicellaris N. Chao ex P.Y. Mao in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 81 (1986)—China.

**SALIX :-**

- lucida  
 subsp. caudata (Nutt.) G.W. Argus in *Canad. J. Bot.*, 64(3): 545 (1986): S. pentandra var. caudata.  
 subsp. lasiandra (Benth.) G.W. Argus in *Canad. J. Bot.*, 64(3): 545 (1986): S. lasiandra.  
 maerkangensis N. Chao in *Fl. Sichuanica*, 3: 286 (1985)—China.  
 magadanensis V.A. Nedoluzhko in *Byull. Glavn. Bot. Sada (Moscow)*, 153: 29 (1989)—U.S.S.R. (Soviet Far East).  
 magnifica  
 var. microphylla P.Y. Mao in *Acta Bot. Yunnanica*, 9(1): 45 (1987)—China.  
 minjiangensis N. Chao in *Fl. Sichuanica*, 3: 288 (1985)—China.  
 × misaoana A. Kimura in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(3): 143 (1988), nom. nov.: × Toisochosenia tatewakii Kimura.  
 mongolica  
 var. yambianica (C.F. Fang & C.Y. Yang) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 151 (1986): S. yambianica.  
 mucronata  
 subsp. capensis (Thunb.) K.L. Immelman in *Bothalia*, 17(2): 173 (1987): S. capensis.  
 subsp. hirsuta (Thunb.) K.L. Immelman in *Bothalia*, 17(2): 173 (1987): S. hirsuta.  
 subsp. wilmsii (Seemen) K.L. Immelman in *Bothalia*, 17(2): 176 (1987): S. wilmsii.  
 subsp. woodii (Seemen) K.L. Immelman in *Bothalia*, 17(2): 176 (1987), without basionym page no. which is same as Beibl. no.: S. woodii.  
 × multidentata T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 134 (1987)—Spain. (S. atrocineria × triandra subsp. discolor).  
 myrtilloides  
 subsp. ustnerensis N.M. Bol'shakov in *Bot. Zhurn.*, 74(10): 1497 (1989)—U.S.S.R. (Siberia).  
 nigricans  
 subsp. alpicola (Buser) E. Lautenschlager in *Bauhinia*, 9(1): 10 (1988): S. nigricans var. alpicola.  
 obscura  
 var. lanifera (C.F. Fang & S.D. Zhao) N. Chao in *Bull. Forest Pl. Res.*, 3: 5 (1985): S. lanifera.  
 occidentalisinensis  
 var. obtusa (C. Wang & P.Y. Fu) N. Chao in *Bull. Forest Pl. Res.*, 3: 6 (1985): S. spodiophylla var. obtusa.  
 oreinoma  
 var. wawashanica P.Y. Mao & P.X. He in *Acta Bot. Yunnanica*, 9(1): 47 (1987)—China.  
 phyllicifolia  
 subsp. basaltica (Coste) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 530 (1990): S. basaltica.  
 × pormensis T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 129 (1987)—Spain. (S. cantabrica × caprea).  
 × pseudoelaeagnos T.E. Díaz Gonzalez & F. Llamas in *Acta Bot. Malacitana*, 12: 133 (1987)—Spain. (S. elaeagnos subsp. angustifolia × purpurea subsp. lambertiana).  
 × pseudosalvifolia T.E. Díaz Gonzalez & E. Puente in *Acta Bot. Malacitana*, 12: 131 (1987)—Spain. (S. elaeagnos subsp. angustifolia × salvifolia).  
 purpurea  
 subsp. angustior E. Lautenschlager in *Bauhinia*, 8(4): 211 (1987)—Switzerland, France, Austria.  
 qinlingica C. Wang & N. Chao in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 116 (1985)—China.  
 raddeana  
 var. liangshuiensis (Y.L. Chou & C.Y. King) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 157 (1986): S. liangshuiensis.  
 radinostachya  
 var. szechuanica (Görz) N. Chao in *Fl. Sichuanica*, 3: 125 (1985): S. balansaei var. szechuanica.  
 × rijosa Rivas-Martínez, T.E. Díaz Gonzalez, J.A.F. Prieto, J. Loidi & A. Penas in *Acta Bot. Malacitana*, 12: 134 (1987)—Spain. (S. cantabrica × triandra subsp. discolor).  
 rivulicola P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 47 (1987)—China.  
 scopulicola P.Y. Mao & W.Z. Li in *Acta Bot. Yunnanica*, 9(1): 51 (1987)—China.

**SALIX :-**

- starkeana  
 var. livida (Whlb.) Y.L. Chou & S.L. Tung in Y.L. Chou, *Ligneous Fl. Heilongjiang*: 164 (1986): S. livida.  
 suchowensis W.C. Cheng in *Sci. Silvae Sin.*, 8(1): 4 (1963), with two types cited—China.  
 sungkianica  
 f. brevistachys Y.L. Chou & Tung in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 145 (1986)—China.  
 triandra  
 var. mengshanensis S.B. Liang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 63 (1988)—China.  
 urbaniana  
 monstr. nematadenia (Kimura) A. Kimura in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(3): 145 (1988): Toisusu urbaniana monstr. nematadenia.  
 × viridifolia T.E. Díaz Gonzalez & A. Penas in *Acta Bot. Malacitana*, 12: 130 (1987)—Spain. (S. salvifolia × viminalis).  
 wuxuhaiensis N. Chao in *Bull. Forest Pl. Res.*, 3: 6 (1985)—China.  
 xerophila  
 var. ilectica (Y.L. Chou) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 172 (1986): S. ilectica.  
 yuhuangshanensis  
 var. weiheensis N. Chao in *Bull. Forest Pl. Res.*, 3: 7 (1985)—China.  
 zangica  
 var. tibetica (C. Wang & C.F. Fang) N. Chao in *Bull. Forest Pl. Res.*, 3: 7 (1985): S. wangiana var. tibetica.

**SALOMONIA (Polygalac.).**

- cantonensis  
 var. edentula (DC.) C.Y. Wu in *Fl. Yunnanica*, 3: 291 (1983): S. edentula.  
 ciljata  
 f. oblongifolia (DC.) V.S. Raju in *Indian J. Bot.*, 9(1): 75 (1986): S. oblongifolia.

- SALPINCTIUM** T.J. Edwards in *S. Afr. J. Bot.*, 55(1): 7 (1989). **ACANTHACEAE.**  
 hirsutum T.J. Edwards in *S. Afr. J. Bot.*, 55(1): 9 (1989)—Swaziland.  
 natalense (Clarke) T.J. Edwards in *S. Afr. J. Bot.*, 55(1): 10 (1989): Asystasia natalensis.  
 stenosphon (Clarke) T.J. Edwards in *S. Afr. J. Bot.*, 55(1): 10 (1989): Asystasia stenosphon.

**SALPISTELE (Orchidac.).**

- dielsii (Mansf.) C.A. Luer, *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 57 (1986): Lepadthes dielsii.  
 pensilis (Schltr.) C.A. Luer, *Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 57 (1986): Lepadthes pensilis.

**SALSOLA (Chenopodiace.).**

- sect. Irania V.P. Bochantsev in *Bot. Zhurn.*, 71(10): 1400 (1986).  
 sect. Opyrifolia V.P. Bochantsev & Kh. Akhani in *Bot. Zhurn.*, 74(11): 1664 (1989).  
 badghysi V.P. Bochantsev in *Bot. Zhurn.*, 75(2): 237 (1990)—U.S.S.R. (Middle Asia).  
 baryosma  
 subsp. gaetula (Maire) H. Freitag in *Flora (Germany)*, 183(1–2): 159 (1989), without basionym ref.: S. foetida var. gaetula.  
 dentata (Willd.) Germann, *Verz. Pfl. Bot. Gart. Kais. Univ. Dorpat*, 1807: 116 (1807); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983): Basionym not stated.  
 glabella V.P. Bochantsev in *Bot. Zhurn.*, 75(2): 238 (1990)—U.S.S.R. (Middle Asia), Afghanistan.  
 griffithii (Bunge) H. Freitag & K. Khani in *Pl. Syst. Evol.*, 155(1–4): 50 (1987): Noaea griffithii.  
 kurbanovii V.P. Bochantsev in *Bot. Zhurn.*, 75(2): 239 (1990)—U.S.S.R. (Middle Asia), Afghanistan.  
 murgabica V.P. Bochantsev in *Bot. Zhurn.*, 75(2): 240 (1990)—Afghanistan.  
 obpyrifolia V.P. Bochantsev & Kh. Akhani in *Bot. Zhurn.*, 74(11): 1665 (1989)—Iran.  
 oppositifolia  
 f. feminea V.P. Bochantsev in *Novosti Sist. Vyssh. Rast.*, 26: 86 (1989)—Algeria.

**SALSOLA :-**

- sogdiana A. Bunge, *Beitr. Fl. Russl.*: 297 (1852)—U.S.S.R. (Middle Asia).†

**SALVIA (Labiata.).**

- amethystina  
 subsp. ampelophylla (Epling) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 241 (1989): S. ampelophylla.  
 arabica A.H.E. Al-Musawi & E. Weinert in *Feddes Repert.*, 100(9–10): 451 (1989)—Iraq.  
 blancoana  
 subsp. amethystea (Emb. & Maire) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. aucheri var. amethystea.  
 var. amethystea (Emberger & Maire) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 84 (1990): S. aucheri var. amethystea.  
 var. aurasica (Maire) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. aucheri var. aurasica.  
 subsp. hegelmairi (Porta & Rigo) R. Figuerola in *An. Jard. Bot. Madrid*, 42(2): 538 (1985 publ. 1986): S. hegelmairi.  
 var. hegelmairi (Porta & Rigo) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 83 (1990): S. hegelmairi.  
 var. lagasana (Webb) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. lavandulifolia var. lagasana.  
 subsp. mariolensis R. Figuerola in *An. Jard. Bot. Madrid*, 42(2): 538 (1985 publ. 1986)—Spain.  
 var. mariolensis (Figuerola) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 85 (1990): S. blancoana subsp. mariolensis.  
 var. maurorum (Ball) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 83 (1990): S. candelabrum subsp. maurorum.  
 subsp. mesatlantica (Maire) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. aucheri var. mesatlantica.  
 var. mesatlantica (Maire) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 84 (1990): S. aucheri var. mesatlantica.  
 var. vellerea (Cuatrec.) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. officinalis var. vellerea.  
 bogotensis  
 subsp. aratocensis J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 260 (1989)—Colombia.  
 subsp. sochenis J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 258 (1989)—Colombia.  
 subsp. suratensis J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 260 (1989)—Colombia.  
 camphorata Huber, *Cat. Gén. 1871 & 1872*: 5 (1871); cf. D.J. Mabberley in *Taxon*, 34(3): 453 (1985)—Locality not stated.  
 cana Wall. ex Benth. in *Lindl., Bot. Reg.*, sub t. 1292 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982)—Locality not stated.  
 carnea  
 var. punicans (Epling) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 252 (1989): S. punicans.  
 var. sciaphila J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 253 (1989)—Colombia.  
 charpini G. Alziar in *Biocosme Mésogéen*, 6(1–2): 79 (1989), nom. nov.: S. flocculosa Epl. & Mathias.  
 chicamochae J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 253 (1989)—Colombia.  
 dabieshanensis J.Q. He in *Acta Bot. Yunnanica*, 11(4): 409 (1989)—China.  
 eizi-matudae T.P. Ramamoorthy in *Taxon*, 36(3): 588 (1987), nom. nov.: S. matudae Epling.  
 eplingiana G. Alziar in *Biocosme Mésogéen*, 5(3–4): 86 (1988), nom. nov.: S. tricuspid Epling.  
 falcata J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 270 (1989)—Colombia.  
 filifolia T.P. Ramamoorthy in *An. Inst. Biol. Univ. Nac. Autón. Mex.*, Bot., 54: 157 (1983 publ. 1987)—Mexico.  
 golneviana R.Ya. Rzazade in *Fl. Azerbaidzhana*, 7: 612 (1957)—U.S.S.R. (Caucasus).  
 herbanica A. Santos & M. Fernández in *Lazarova*, 9: 52 (1986 publ. 1988)—Canary Is.  
 inconspicua Bertol., *Syll. Pl. Hort. Bonon.*, 1827: 7 (1827); cf. D.J. Mabberley in *Taxon*, 32(1): 82 (1983)—Locality not stated.

**SALVIA** :-

- japonica C.P. Thunberg ex A. Murray in Linnaeus, *Syst. Veg.*, ed. 14: 72 (1784)—Japan.†
- lavandulifolia
- var. adenostachys (O. Bolòs & Vigo) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. officinalis f. adenostachys.
- subsp. amethystea (Emberger & Maire) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 252 (1986): S. aucheri var. amethystea.
- subsp. approximata (Pau) R. Figuerola in *An. Jard. Bot. Madrid*, 43(1): 178 (1986): S. approximata.
- var. approximata (Pau) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 86 (1990): S. approximata.
- var. aursiaca (Maire) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 259 (1986): S. aucheri var. aursiaca.
- subsp. blancoana (Webb & Heldr.) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 256 (1986): S. blancoana.
- var. blancoana (Webb & Heldr.) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 258 (1986): S. blancoana.
- subsp. maurorum (Ball) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 254 (1986): S. candelabrum subsp. maurorum.
- subsp. mesatlantica (Maire) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 249 (1986): S. aucheri var. mesatlantica.
- var. pyrenaeorum (Lippert) R. Figuerola, G. Stübing & J.B. Peris in *Folia Bot. Misc.*, 7: 86 (1990): S. lavandulifolia subsp. pyrenaeorum.
- var. trichostachya (Font Quer ex O. Bolòs & Vigo) R. Figuerola in *An. Jard. Bot. Madrid*, 44(1): 174 (1987): S. officinalis f. trichostachya.
- var. vellerea (Cuatr.) J.L. Rosua & G. Blanca in *Acta Bot. Malacitana*, 11: 261 (1986): S. officinalis var. vellerea.
- lavendula Alain H. Liogier in *Phytologia*, 64(5): 347 (1988)—Hispaniola (Dominican Republic).
- manantlanensis T.P. Ramamoorthy in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(2): 173 (1987)—Mexico.
- melaleuca
- subsp. totensis J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 234 (1989)—Colombia.
- nigrescens Bull. *Retail List*, 121: 170 (1876); cf. D.J. Mabberley in *Taxon*, 34(3): 455 (1985)—Locality not stated.
- nubigena J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 236 (1989)—Colombia.
- parvskii J.D. Skee & W.S. Judd in *Brittonia*, 40(1): 16 (1988)—Hispaniola (Haiti).
- pauciserrata
- subsp. calocalicina (Briq.) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 245 (1989): S. calocalicina.
- subsp. deraea (Benth.) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 244 (1989): S. deraea.
- subsp. erythrocalicina J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 245 (1989)—Colombia.
- subsp. lasiocalicina J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 245 (1989)—Colombia.
- phlomoideis
- subsp. boissieri (Noë) J.L. Rosua & G. Blanca in *Collect. Bot.*, 17(2): 230 (1988 publ. 1989): S. boissieri.
- polystachya A.J. Cavanilles, *Icon.*, 1: 17 (1791), as 'polystachia'—Mexico.
- subsp. compacta (Kuntze) G. Alziar in *Biocosme Mésogéen*, 6(4): 185 (1989): S. compacta.
- pseudomisella R. Moran & G.A. Levin, *Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 41 (1989)—Revilla Gigedo Is.
- rubescens
- subsp. colombiana (Epling) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 232 (1989): S. colombiana.
- subsp. dolichothrix J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 229 (1989)—Colombia.
- subsp. truxillensis (Briq.) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 231 (1989): S. truxillensis.
- rufula
- subsp. latens (Benth.) J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 268 (1989): S. latens.

**SALVIA** :-

- var. nutans J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 268 (1989)—Colombia.
- subsp. paezorum J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 265 (1989)—Colombia.
- sclareoides
- var. baetica (Boiss.) R. Figuerola in *Collect. Bot.*, 17(2): 309 (1988 publ. 1989): S. baetica.
- sphacelioides
- subsp. trianae J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 257 (1989)—Colombia.
- stibali G. Alziar in *Biocosme Mésogéen*, 6(1-2): 79 (1989), nom. nov.: S. pauciflora Stibali.
- uribei J.R.I. Wood & R.M. Harley in *Kew Bull.*, 44(2): 261 (1989)—Colombia.
- vergeduzica R.Ya. Rzazade in *Fl. Azerbaïdzhan*, 7: 613 (1957)—U.S.S.R. (Caucasus).
- whitehousei G. Alziar in *Biocosme Mésogéen*, 5(3-4): 86 (1988), nom. nov.: S. dolichantha (Cory) Whitehouse.
- SAMBUCUS** (Caprifoliac.).
- subgen. Ebulus (Spach) M.L. Samutina in *Bot. Zhurn.*, 71(11): 1558 (1986): S. sect. Ebulus.
- ser. Latipinnae Pojark. ex V.A. Nedoluzhko in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 2: 293 (1987).
- ser. Racemosae V.A. Nedoluzhko in *Sosud. Rast. Sovet. Dal'neg Vostoka*, 2: 294 (1987).
- sect. Wightia M.L. Samutina in *Bot. Zhurn.*, 71(11): 1558 (1986).
- henriana M.L. Samutina in *Bot. Zhurn.*, 71(8): 1121 (1986)—China.
- japonica C.P. Thunberg ex A. Murray in Linnaeus, *Syst. Veg.*, ed. 14: 295 (1784)—Japan.†
- nigra
- f. porphyrophylla E.C. Nelson in *Plantsman*, 8(3): 190 (1986)—Cultivation ex Great Britain.
- pubens
- var. melanocarpa (A. Gray) M.L. Samutina in *Novosti Sist. Vyssh. Rast.*, 23: 173 (1986): S. melanocarpa.
- sibirica
- subsp. miquelii (Nakai) M.L. Samutina in *Novosti Sist. Vyssh. Rast.*, 23: 169 (1986): S. racemosa var. miquelii.
- sieboldiana
- var. pinnatisecta G.Y. Luo & P.H. Huang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(2): 147 (1987)—China.
- williamsii
- subsp. coreana (Nakai) M.L. Samutina in *Novosti Sist. Vyssh. Rast.*, 23: 176 (1986): S. sieboldiana var. coreana.
- var. miquelii (Nakai) Y.C. Tang ex J.Q. Hu in *Fl. Reipubl. Popul. Sin.*, 72: 11 (1988): S. buergeriana var. miquelii.

**SAMOLUS** (Primulac.).

- caespitosus G.J. Keighery in *Nordic J. Bot.*, 8(4): 329 (1988)—Australia (W. Australia).

**SANANGO** (Buddlejac.).

- racemosum (Ruiz & Pavon) K. Barringer in *Phytologia*, 59(5): 363 (1986): Gomara racemosa.

**SANDWITHTIA** (Euphorbiac.).

- heterocalyx R. de S. Secco in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 179 (1988)—Venezuela, Brazil.

**SANGUISORBA** (Rosac.).

- komaroviana V.A. Nedoluzhko in *Novosti Sist. Vyssh. Rast.*, 26: 113 (1989)—U.S.S.R. (Soviet Far East).
- minor
- subsp. spachiana (Cosson) F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 601 (1987): Poterium spachianum.
- officinalis
- subsp. longifolia (Bertol.) K.M. Purohit & G. Panigrahi in *Bull. Bot. Soc. Bengal*, 36(1-2): 34 (1982 publ. 1986): S. longifolia.

**SANICULA** (Umbellif.).

- haleakalae H. St. John in *Bot. Jahrb.*, 108(1): 52 (1986)—Hawaiian Is.
- lobata (Hillebr. ex Wolff) H. St. John in *Bot. Jahrb.*, 108(1): 57 (1986): S. sandwicensis var. lobata.

**SANICULA** :-

- mariversa K.M. Nagata & S.M. Gon in *Syst. Bot.*, 12(3): 406 (1987)—Hawaiian Is.
- odorata (Raf.) K.M. Pryer & L.R. Phillippe in *Canad. J. Bot.*, 67(3): 703 (1989): Trichinium odoratum.
- orthacantha
- var. costata (Wolff) K.T. Fu in *Fl. Tsinlingensis*, 1(3): 375 (1981): S. costata.
- tienmuensis
- var. pauciflora R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 27(1): 66 (1989)—China.

×**SANJUMEARA** hort. in *Orchid Rev.*, 96(1133): centre page pull-out p. 9 (1988). **ORCHIDACEAE**. (Aerides × Neofinetia × Rhynchostylis × Vanda).

**SANSEVIERIA** (Dracaenac.).

- ebracteata (Cav.) C.R. Suresh in D.H. Nicolson, C.R. Suresh & K.S. Manilal, *Interpret. Van Rheedea's Hort. Malab.*: 271 (1988): Salmia ebracteata.
- fischeri (Baker) W. Marais in *Kew Bull.*, 41(1): 58 (1986): Buphane fischeri.

**SANTALUM** (Santalac.).

- austrocaledonicum
- var. minutum N. Hallé in *Fl. N. Caléd. & Dépend.*, 15: 110 (1988)—New Caledonia.
- var. pilosulum N. Hallé in *Fl. N. Caléd. & Dépend.*, 15: 110 (1988)—New Caledonia.

**SANTOLINA** (Compos.).

- chamaecyparissus
- var. magonica (O. Bolòs, R. Mol. & P. Monts.) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): S. chamaecyparissus subsp. magonica.
- var. mariolensis O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988)—Spain.
- var. teucrietorum O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988)—Balearic Is.
- var. vedranensis O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988)—Balearic Is.

**SAPIUM** (Euphorbiac.).

- allenii M.J. Huft in *Phytologia*, 63(6): 441 (1987)—Costa Rica.
- discolor
- var. wenhsienensis S.B. Ho in *Fl. Tsinlingensis*, 1(3): 451, 180 (1981)—China.
- duckeii Huber ex M.J. Huft in *Phytologia*, 63(6): 442 (1987)—Brazil.
- rigidifolium M.J. Huft in *Phytologia*, 63(6): 444 (1987)—Costa Rica, Panama.
- solisii M.J. Huft in *Phytologia*, 63(6): 446 (1987)—Ecuador.

**SAPONARIA** (Caryophyllac.).

- esfandiarii M. Assadi in *Iranian J. Bot.*, 4(2): 198 (1989)—Iran.

**SARACHA** (Solanac.).

- spinosa (Dammer) W.G. D'Arcy & D.N. Smith in *Ann. Missouri Bot. Gard.*, 74(3): 674 (1987): Poecilochroma spinosa.

**SARCANDRA** (Chloranthac.).

- hainanensis
- var. lingshuensis C.Z. Qiao & Q.H. Zhang in *Acta Bot. Yunnanica*, 9(4): 409 (1987)—Hainan.
- var. pingbianensis C.Z. Qiao & Q.H. Zhang in *Acta Bot. Yunnanica*, 9(4): 408 (1987)—China.

**SARCAULUS** (Sapotac.).

- brasilensis
- subsp. gracilis T.D. Pennington in *Fl. Neotrop.*, 52: 235 (1990)—Peru.
- inflexus (A.C. Smith) T.D. Pennington in *Fl. Neotrop.*, 52: 235 (1990): Lucuma inflexa.
- oblatus T.D. Pennington in *Fl. Neotrop.*, 52: 237 (1990)—Ecuador.
- vestitus (Baehni) T.D. Pennington in *Fl. Neotrop.*, 52: 237 (1990): Pouteria vestita.

**SARCOCAPNOS** (Papaverac.).

- crassifolia
- subsp. atlantis (Emb. & Maire) M. Lidén in *Op. Bot.*, 88: 34 (1986): S. baetica var. atlantis.



**SARCOCAPNOS** :-

- enneaphylla  
*var. saetabensis* (Mateo & Figuerola) O. de Bolòs & J. Vigo, *Fl. Paisos Catalans*, 2: 826 (1990): S. saetabensis.

**SARCOCHILUS** (Orchidac.).

- sect. Calcares* K. Senghas in *Schlechter Orchideen*, 1(22): 1390 (1989).  
*borealis* (Nicholls) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 131 (1989): S. *olivaceus* var. *borealis*.  
*gildasii* N. Hallé in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 234 (1986)—New Caledonia.  
*hillii*  
*var. thycolus* N. Hallé in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(3): 232 (1986)—New Caledonia.  
*hirticalcar* (Dockr.) M.A. Clements & B. Wallace in *Austral. Orchid Res.*, 1: 133 (1989): *Parasarcophilus hirticalcar*.  
*williamsianus* P.J. Kores in *Allertonia*, 5(1): 187 (1989)—Fiji.

**SARCOCOCCA** (Buxac.).

- wallichii*  
*f. membranacea* J.R. Sealy in *Bot. J. Linn. Soc.*, 92(2): 146 (1986)—India.  
*zeylanica*  
*var. brevifolia* (Muell. Arg.) J.R. Sealy in *Bot. J. Linn. Soc.*, 92(2): 138 (1986): S. *saligna* var. *brevifolia*.

**SARCOCORNIA** (Chenopodiace.).

- fruticosa*  
*var. deflexa* C. Lahondère & J. Gamisans in *Candollea*, 43(1): 368 (1988): *Salicornia fruticosa* var. *deflexa*.  
*mossambicensis* J.P.M. Brenan in *Fl. Zambes.*, 9(1): 153 (1988)—Mozambique.

- SARCODRIMYS** (Baill.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et *Syst. Fl. Neu-Caledonien*, 5: 97 (May 1989), without basionym ref.: *Drims* & *Sarcodrimys* (Winterac.).  
*crassifolium* (Baill.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; et *Syst. Fl. Neu-Caledonien*, 5: 97 (May 1989), with basionym ref., generic name invalid: *Drims* *crassifolium*.

**SARCOGLYPHIS** (Orchidac.).

- arunachalensis* A. Nageswara Rao in *Nordic J. Bot.*, 10(2): 161 (1990)—India.  
*comberi* (J.J. Wood) J.J. Wood in *Orchid Rev.*, 95(1123): 167 (1987): *Cleisostoma comberi*.  
*potamophila* (Schltr.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (58) 192 (1985 publ. 1986): *Sarcanthus potamophilus*.  
*thailandica* G. Seidenfaden in *Op. Bot.*, 95: 127 (1988)—Thailand.

**SARCOMELICOPE** (Rutac.).

- follicularis* T.G. Hartley in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(2): 183 (1986)—New Caledonia.  
*megistophylla* T.G. Hartley in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(2): 185 (1986)—New Caledonia.  
*pembaiensis* T.G. Hartley in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 8(2): 185 (1986)—New Caledonia.  
*petiolaris* (A. Gray) A.C. Smith in *Fl. Vitiensis Nova*, 3: 508 (1985): *Acronychia petiolaris*.

**SARCOPHYTE** (Balanophorac.).

- sanguinea*  
*subsp. piriei* (Hutchinson) B. Hansen in *Bot. Jahrb.*, 106(3): 366 (1986): S. *piriei*.

**SARCOTOECHIA** (Sapindac.).

- subgen. Pilosodiscus* P.W. Leenhouts in *Blumea*, 33(1): 199 (1988).  
*angulata* P.W. Leenhouts in *Blumea*, 33(1): 200 (1988)—New Guinea (Papua New Guinea).

**SARCOTOECHIA** :-

- apetala* P.W. Leenhouts in *Blumea*, 33(1): 202 (1988)—New Guinea (Papua New Guinea).  
*bilocularis* P.W. Leenhouts in *Blumea*, 33(1): 200 (1988)—New Guinea (Papua New Guinea).  
*heterophylla* S.T. Reynolds in *Fl. Australia*, 25: 201, 84 (1985)—Australia (Queensland).  
*lanceolata* (C. White) S.T. Reynolds in *Fl. Australia*, 25: 201 (1985): *Toechima lanceolatum*.  
*planitieii* P.W. Leenhouts in *Blumea*, 33(1): 201 (1988)—New Guinea (Papua New Guinea).  
*serrata* S.T. Reynolds in *Fl. Australia*, 25: 201, 83 (1985)—Australia (Queensland).  
*villosa* S.T. Reynolds in *Fl. Australia*, 25: 201, 84 (1985)—Australia (Queensland).

**SARGENTODOXA** (Sargentodoxac.).

- simplicifolia* S.Z. Qu & C.L. Min in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 87 (1986)—China.

**SAROJUSTICIA** (Acanthac.).

- kempeana*  
*subsp. muelleri* R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 243 (1986)—Australia (W. Australia).

**SARX** (Cucurbitac.).

- kauaiensis* H. St. John in *Bot. Jahrb.*, 109(2): 257 (1987)—Hawaiian Is.

**SASA** (Gramin.).

- subgen. Sasamorphia* (Nakai) C.H. Hu in *Bamboo Res.*, 1985(2): 60 (1985): gen. *Sasamorphia*.  
*albosericea* W.T. Lin & J.Y. Lin in *Acta Phytotax. Sin.*, 26(3): 232 (1988), as 'albo-sericea'—China.  
*guangdongensis* W.T. Lin & X.B. Ye in *Acta Phytotax. Sin.*, 26(2): 148 (1988)—China.  
*hubeiensis* (C.H. Hu) C.H. Hu in *Bamboo Res.*, 1985(2): 60 (1985): *Sasamorphia hubeiensis*.  
*kurilensis*  
*f. marmorea* (Koidz.) S. Suzuki in *J. Jap. Bot.*, 64(9): 275 (1989): S. *kurilensis* var. *marmorea*.  
*masamuneana* (Makino) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 368 (1989): *Pleioblastus masamuneanus*.  
*megalophylla*  
*f. aureovariegata* S. Suzuki in *J. Jap. Bot.*, 64(9): 275 (1989)—Japan.  
*oblongula* C.H. Hu in *J. Bamboo Res.*, 6(4): 18 (1987)—China.  
*qingyuanensis* (C.H. Hu) C.H. Hu in *Bamboo Res.*, 1985(2): 62 (1985): *Sasamorphia qingyuanensis*.  
*rubrovaginata* C.H. Hu in *Bamboo Res.*, 1985(2): 59 (1985)—China.

**SASAELLA** (Gramin.).

- caudiceps*  
*var. psilovaginula* S. Suzuki in *J. Jap. Bot.*, 62(9): 278 (1987)—Japan.

**SATUREJA** (Labiata).

- abyssinica*  
*subsp. condensata* (Hedberg) S. Seybold in *Stuttgarter Beitr. Naturk.*, A, 421: 18 (1988): S. *abyssinica* var. *condensata*.  
*laxiflora*  
*subsp. zuvandica* (D. Kapanadze) D.A. Kapanadze in *Fl. Gruzii*, ed. 2, 11: 188 (1987): S. *zuvandica*.  
*linearifolia* (Brullo & Furnari) W. Greuter in *Willdenowia*, 15(2): 422 (1986): *Euhesperida linearifolia*.  
*paradoxa* (Vatke) Engler ex S. Seybold in *Stuttgarter Beitr. Naturk.*, A, 421: 13 (1988): *Calamintha paradoxa*.  
*pilosa*  
*var. slavjankae* M. Anchev in *Fl. Nar. Republ. Bulgariya*, 9: 506, 339 (1989)—Bulgaria.  
*punctata*  
*subsp. ovata* (Bentham) S. Seybold in *Stuttgarter Beitr. Naturk.*, A, 421: 31 (1988): *Micromeria ovata*.  
*sardoa* (Ascherson & Levier) W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: 325 (1986): *Calamintha alpina* var. *sardoa*.  
*zuvandica* D.A. Kapanadze in *Soobshch. Akad. Nauk Gruz. SSR*, 119(2): 375 (1985), nom. nov.: S. *densiflora Zeinalova*.

**SATYRIA** (Ericac.).

- boliviana* J.L. Luteyn in *Op. Bot.*, 92: 124 (1987)—Bolivia.

**SAURAUIA** (Actinidiac.).

- hirsuta* C.F. Liang in *Guihaia*, 6(3): 175 (1986)—Xizang.  
*oroquensis* D.D. Soejarto in *Brittonia*, 41(1): 28 (1989)—Colombia, Venezuela.

**SAUROPUS** (Euphorbiac.).

- sect. Synostemon* (F. v. Muell.) P.T. Li in *Acta Phytotax. Sin.*, 25(2): 137 (1987): gen. *Synostemon*.  
*reticulatus* X.L. Mo ex P.T. Li in *Acta Phytotax. Sin.*, 25(2): 133 (1987)—China.  
*saksenianus* K.S. Manilal, K.S. Prasannakumar & V.V. Sivarajan in *J. Ind. Bot. Soc.*, 64(2-3): 294 (1985)—India.  
*tsiangii* P.T. Li in *Acta Phytotax. Sin.*, 25(2): 135 (1987)—China.  
*yanhuiianus* P.T. Li in *Acta Phytotax. Sin.*, 25(2): 134 (1987)—China.

**SAUSSUREA** (Compos.).

- bella* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 87 (1949)—China.†  
*carduiformis*  
*var. megaphylla* X.Y. Wu in *Fl. Tsinlingensis*, 1(5): 423, 367 (1985)—China.  
*dutaillyana*  
*var. macrocephala* (Ling) X.Y. Wu in *Fl. Tsinlingensis*, 1(5): 360 (1985): S. *rufostriatella* var. *macrocephala*.  
*gossypiphora*  
*var. conaensis* S.W. Liu in *Fl. Xizangica*, 4: 879 (1985)—Xizang.  
*grandiceps* S.W. Liu in *Fl. Xizangica*, 4: 874 (1985)—Xizang.  
*gubanovii* R.V. Kamelin in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(5): 113 (1988)—Mongolia.  
*gyacaensis* S.W. Liu in *Fl. Xizangica*, 4: 877 (1985)—Xizang.  
*handeliana* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 88 (1949), nom. nov.: S. *modesta Handel-Mazzetti*.  
*huashanensis* (Ling) X.Y. Wu in *Fl. Tsinlingensis*, 1(5): 365 (1985): S. *eriolepis* var. *huashanensis*.  
*hwangshanensis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 79 (1949)—China.  
*iodostegia*  
*var. glandulifera* X.Y. Wu in *Fl. Tsinlingensis*, 1(5): 423, 347 (1985)—China.  
*kokonorensis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 90 (1949)—China.  
*kudoana*  
*var. uryuensis* Y. Kadota in *Mem. Nation. Sci. Mus. (Tokyo)*, 20: 87 (1987)—Japan.  
*nematolepis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 67 (1949)—China.  
*nipponica*  
*subsp. higomontana* (Honda) H.T. Im in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 261 (1989): S. *higomontana*.  
*subsp. yakusimensis* (Masamune) H.T. Im in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 263 (1989): S. *yakusimensis*.  
*nuda*  
*subsp. densa* (Hook.) G.W. Douglas in *Canad. J. Bot.*, 64(11): 2727 (1986): S. *alpina* var. *densa*.  
*oligantha*  
*var. oligolepis* (Ling) X.Y. Wu in *Fl. Tsinlingensis*, 1(5): 361 (1985): S. *oligolepis*.  
*oligocephala* (Ling) Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 83 (1949): S. *acrophila* var. *oligocephala*.  
*oligolepis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 81 (1949)—China.  
*paucijuga* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 88 (1949)—China.  
*pubifolia* S.W. Liu in *Fl. Xizangica*, 4: 870 (1985)—Xizang.  
*var. lhasaensis* S.W. Liu in *Fl. Xizangica*, 4: 871 (1985)—Xizang.  
*reniformis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 77 (1949)—China.  
*stenocephala* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 75 (1949)—China.

**SAUSSUREA** :—

- tenella* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 85 (1949)—China.  
*tenuicaulis* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 66 (1949)—China.  
*tianshuiensis* X.Y. Wu in *Fl. Loess-Plat. Sin.*, 5: 520 (1989)—China.  
*var. huxianensis* X.Y. Wu in *Fl. Loess-Plat. Sin.*, 5: 521 (1989)—China.  
*tilisii*  
*var. glabriuscula* (Khokhr.) A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 248 (1987): S. *glabriuscula*.  
*tomentosella* A.P. Khokhryakov in *Biol. Rast. i Fl. Sev. Dal'n. Vostok. (ed. M.T. Mazurenko)*: 20 (1981)—U.S.S.R. (Soviet Far East).  
*tridactyla*  
*var. maiduoganla* S.W. Liu in *Fl. Xizangica*, 4: 879 (1985)—Xizang.  
*variiloba* Y. Ling in *Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(2): 71 (1949)—China.

**SAUVAGESIA** (Ochnac.).

- falcispala* C. Sastre in *Phytologia*, 59(5): 313 (21 February 1986); et in *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 8(1): 13 (8 July 1986); see *Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4*, 9(2): 124 (1987)—Venezuela.  
*guianensis*  
*subsp. aracamuniensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 962 (1989)—Venezuela.  
*subsp. araracuensis* (Sastre) J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 101 (1987): S. *guianensis* var. *araracuensis*.  
*subsp. gleasoniana* (Lasser) J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 101 (1987): *Leitgebia gleasoniana*.  
*subsp. guaiquinimensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 101 (1987)—Venezuela.  
*subsp. sipapoensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 101 (1987)—Venezuela.  
*marahuacensis* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 98 (1987)—Venezuela.

**SAXICOLELLA** (Podostemac.).

- flabellata* (G. Taylor) C. Cusset in *Fl. Cameroun*, 30: 94 (1987): *Pohliella flabellata*.  
*laciniata* (Engler) C. Cusset in *Fl. Cameroun*, 30: 94 (1987): *Inversodicraea laciniata*.

**SAXIFRAGA** (Saxifragac.).

- ser. Arachnoideae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 288 (1987): S. grex *Arachnoideae*.  
*ser. Aretioideae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 281 (1987): S. grex *Aretioideae*.  
*ser. Astasianthes* (Sternberg) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987): S. sect. *Astasianthes*.  
*ser. Aulaxis* (Haworth) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987): gen. *Aulaxis*.  
*ser. Birostres* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987).  
*ser. Biternatae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 287 (1987): S. subgrex *Biternatae*.  
*ser. Cinctae* (H. Sm.) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 276 (1987): S. grex *Cinctae*.  
*ser. Dermaseae* (Haworth) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987): gen. *Dermasea*.  
*subsect. Engleria* (Sündermann) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987): S. sect. *Engleria*.  
*subsect. Florulentae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 283 (1987): S. grex *Florulentae*.  
*ser. Gemmiparae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 277 (1987): S. subsect. *Gemmiparae*.  
*subsect. Hemisphaericae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 277 (1987): S. grex *Hemisphaericae*.  
*sect. Hemisphaericae* (Engl. & Irmscher) P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 135 (1987), without basionym ref.: Basionym not stated.

**SAXIFRAGA** :—

- ser. Hirculoideae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 276 (1987): S. subsect. *Hirculoideae*.  
*ser. Juniperifoliae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 281 (1987): S. grex *Juniperifoliae*.  
*ser. Lilacinae* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 281 (1987).  
*ser. Lychnitidae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 276 (1987): S. grex *Lychnitidae*.  
*ser. Marginatae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987): S. grex *Marginatae*.  
*ser. Melanocentrae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987): S. grex *Melanocentrae*.  
*sect. Merckianae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 278 (Dec. 1987): S. grex *Merckianae*.  
*sect. Merckianae* (Engl. & Irmsch.) P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 134 (Sept. 1987), without full basionym ref.: S. grex *Merckianae*.  
*subsect. Micranthes* (Haworth) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 279 (1987): gen. *Micranthes*.  
*ser. Micranthes* (Haworth) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 280 (1987): gen. *Micranthes*.  
*subsect. Mutatae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 283 (1987): S. grex *Mutatae*.  
*ser. Nutantes* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 276 (1987): S. subsect. *Nutantes*.  
*sect. Odontophyllae* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 286 (1987).  
*ser. Oppositifoliae* (Hayek) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987): S. subsect. *Oppositifoliae*.  
*sect. Pseudocymbalaria* P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 133 (1987).  
*ser. Rigidae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987): S. grex *Rigidae*.  
*subsect. Rosulares* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 277 (1987), nom. nov.: S. subsect. *Sediformes* Engler & Irmscher.  
*subsect. Serpyllifoliae* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 277 (1987).  
*ser. Spinulosae* (C.B. Clarke) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 277 (1987): S. sect. *Spinulosae*.  
*ser. Squarrosae* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987): S. grex *Squarrosae*.  
*sect. Steiranisia* (Raf.) P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(5): 135 (1987), without basionym ref.: Basionym not stated.  
*subsect. Stellares* (Engler & Irmscher) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 278 (1987): S. grex *Stellares*.  
*ser. Subsessiliflorae* R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 282 (1987).  
*ser. Tetrameridium* (Engler) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 283 (1987): S. sect. *Tetrameridium*.  
*subsect. Tridactylites* (Haworth) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 291 (1987): gen. *Tridactylites*.  
*subsect. Triplinervium* (Gaudin) R.J. Gornall in *Bot. J. Linn. Soc.*, 95(4): 287 (1987): S. group *Triplinervium*.  
× *akinievii*  
*nothovar. oettingenii* (Galuško & Kudrjašova) R. Horný & K. Mirko Weber, *Lomikameny sekce Porophyllum*, 1: 125 (1985): S. × *oettingenii*.  
*amabilis* H. Ohba & M. Wakabayashi in *J. Jap. Bot.*, 62(6): 162 (1987)—Nepal.  
*arinae* P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 97 (1988)—Kuril Is.  
*aristulata*  
*var. earistulata* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 14 (1989)—China.  
*aurantiaca*  
*f. lanceolata* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 18 (1989)—China.  
*auriculata*  
*var. conaensis* J.T. Pan in *Fl. Xizangica*, 2: 471 (1985)—Xizang.

**SAXIFRAGA** :—

- baimashanensis* C.Y. Wu in *Acta Phytotax. Sin.*, 28(1): 62 (1990)—China.  
*balongshanensis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 7 (1989)—China.  
*biflora* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 18 (1989)—China.  
*subsp. epirotica* D.A. Webb in *Bot. J. Linn. Soc.*, 95(4): 237 (1987)—Greece.  
*brachypodoidea* J.T. Pan in *Acta Phytotax. Sin.*, 28(5): 391 (1990)—Xizang.  
*callosa*  
*var. australis* (Moricond) D.A. Webb in *Bot. J. Linn. Soc.*, 95(4): 239 (1987): S. *australis*.  
*carnosa* Sweet, *Hort. Suburb. Lond.*: 98 (1818); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982)—Locality not stated.  
*carpetana*  
*subsp. atlantica* (Boiss. & Reuter) A.M. Romo in *Treb. Inst. Bot. Barcelona*, 11: 16 (1987): S. *carpetana* var. *atlantica*.  
*subsp. graeca* (Boiss. & Heldr) D.A. Webb in *Bot. J. Linn. Soc.*, 95(4): 243 (1987): S. *graeca*.  
*caveana*  
*var. lanceolata* J.T. Pan in *Acta Phytotax. Sin.*, 28(5): 389 (1990)—Xizang.  
*chadwellii* B.M. Wadhwa in *Bull. Bot. Surv. India*, 28(1-4): 157 (1986 publ. 1988)—India.  
*cherlerioides*  
*var. microglobularia* (Khokhr.) P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 97 (1988): S. *microglobularia*.  
*var. xerophylla* (Khokhr.) P.Yu. Zhmylev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 93(1): 97 (1988): S. *derbekii* subsp. *xerophylla*.  
*ciliatopetala* (Engl. & Irmsch.) J.T. Pan in *Fl. Xizangica*, 2: 481 (1985): S. *hirculus* f. *ciliatopetala*.  
*cismagadanica* L.I. Malyshev in *Bot. Zhurn.*, 73(1): 98 (1988)—U.S.S.R. (Soviet Far East).  
*clavistamineoides* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 19 (1989)—China.  
× *conradiae* J. Prudhomme in *Candollea*, 43(1): 401 (1988), contrary to Art. H5.1 ICBN 1988—Corsica. (S. *corsica* subsp. *corsica* × *pedemontana* subsp. *cervicornis*).  
*continentalis*  
*var. cantabrica* (Boiss. & Reuter ex Engler) D.A. Webb in *Bot. J. Linn. Soc.*, 95(4): 245 (1987): S. *hypnoides* var. *cantabrica*.  
*cuneata*  
*subsp. corbariensis* (Timb.-Lagr.) G. Mateo Sanz & M.B. Crespo Villalba in *Fontqueria*, 24: 7 (1989): S. *corbariensis*.  
*cuneifolia*  
*subsp. robusta* D.A. Webb in *Bot. J. Linn. Soc.*, 97(4): 355 (1988)—Austria.  
*cymiformis* T.C. Ku in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 4 (1989)—China.  
*daochengensis* J.T. Pan in *Acta Phytotax. Sin.*, 28(5): 394 (1990)—China.  
× *dividivis-webbii* P. Vargas in *An. Jard. Bot. Madrid*, 44(2): 540 (1987)—Spain. (S. *moncayensis* × *pentadactylis*).  
*decipiens*  
*subsp. sternbergii* (Willd.) M. Kerguelen in *Lejeunia*, 120: 155 (1987): S. *sternbergii*.  
*densifoliata*  
*var. nedongensis* J.T. Pan in *Fl. Xizangica*, 2: 473 (1985)—Xizang.  
*degenensis* C.Y. Wu in *Acta Phytotax. Sin.*, 28(1): 66 (1990)—China.  
*dianxibeensis* J.T. Pan in *Acta Phytotax. Sin.*, 28(1): 59 (1990), nom. nov.: S. *diversifolia* f. *alpina* Engl. & Irmsch.  
*diffusicallosa* C.Y. Wu in *Fl. Xizangica*, 2: 472 (1985), nom. nov.: S. *taylorii* H. Sm.  
*diversifolia*  
*var. angustibracteata* (Engl. & Irmsch.) J.T. Pan in *Acta Phytotax. Sin.*, 28(1): 64 (1990): S. *diversifolia* f. *angustibracteata*.  
*draboides* C.Y. Wu in *Acta Phytotax. Sin.*, 28(1): 64 (1990)—China.  
*egregia*  
*var. eciliata* J.T. Pan in *Fl. Xizangica*, 2: 476 (1985)—Xizang.  
*egregioides* J.T. Pan in *Acta Phytotax. Sin.*, 28(5): 388 (1990)—Xizang.

**SAXIFRAGA** :-

- erectisepala *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 384 (1990)—Xizang.
- exarata  
 subsp. ampullacea (*Ten.*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 248 (1987); *S. ampullacea*.  
 subsp. lamottei (*Luizet*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 248 (1987), without basionym page: *S. lamottei*.  
 subsp. pseudoeaxarata (*Br.-Bl.*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 247 (1987); *S. moschata* subsp. pseudoeaxarata.
- federici-augusti  
 subsp. grisebachii (*Degen & Dörfler*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 235 (30 December 1987); *S. grisebachii*.  
 subsp. grisebachii (*Degen & Dörfler*) *J.S. Byam-Grounds, R. Horný & J. Soják in Preslia*, 60(1): 74 (1988), isonym see *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 235 (1987); *S. grisebachii*.
- flaccida *J.T. Pan in Fl. Xizangica*, 2: 506 (1985)—Xizang.
- gedangensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 386 (1990)—Xizang.
- gonggashanensis *J.T. Pan in Acta Phytotax. Sin.*, 28(1): 66 (1990)—China.
- gongshanensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 9 (1989)—China.
- granulata  
 subsp. glaucescens (*Reuter*) *S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 2: 116 (1986); *S. glaucescens*.
- ×guadarramica *J. Fernández Casas in Fontqueria*, 2: 25 (1982); Spain.
- harai *H. Ohba & M. Wakabayashi in J. Jap. Bot.*, 62(6): 163 (1987)—Nepal.
- harry-smithii *B.M. Wadhwa in Kew Bull.*, 41(1): 61 (1986)—Bhutan.
- haworthii *Sweet, Hort. Suburb. Lond.*: 98 (1818); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982)—Locality not stated.
- heterocladoideis *J.T. Pan in Fl. Xizangica*, 2: 474 (1985)—Xizang.
- hirculus  
 var. major (*Engl. & Imsch.*) *J.T. Pan in Fl. Xizangica*, 2: 480 (1985); *S. hirculus* f. major.
- hypericoides  
 var. glabrescens *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 3 (1989)—China.  
 f. longipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 2 (1989)—China.
- implicans  
 var. weixiensis *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 57 (1990)—China.
- intricata  
 subsp. moncayensis (*D.A. Webb*) *P. Vargas & F. Muñoz Garmendia in Fontqueria*, 11: 7 (1986); *S. moncayensis*.
- kangdingensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 9 (1989)—China.
- latipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 6 (1989)—China.
- lixianensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 17 (1989)—China.
- longipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 10 (1989)—China.
- maderensis  
 var. pickeringii (*C. Simon*) *D.A. Webb & J.R. Press in Bogagiana*, 105: 3 (1987); *S. pickeringii*.
- mallae *H. Ohba & M. Wakabayashi in J. Jap. Bot.*, 62(6): 165 (1987)—Nepal.
- mandenovae *J. Soják in Cas. Nár. Muz. (Prague)*, 154(2): 93 (1985 publ. 1988), nom. nov.: *S. meyeri Mandenova*.
- marginata  
 var. bubakii (*Rohlena*) *R. Horný in R. Horný & K. Mirko Webr, Lomikameny sekce Porophyllum*, 1: 96 (1985); *S. rocheliana* var. bubakii.
- maxiongouensis *J.T. Pan in Acta Phytotax. Sin.*, 28(1): 57 (1990)—China.
- medogensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 392 (1990)—Xizang.
- microglobularis *A.P. Khokhryakov in Biol. Rast. i Fl. Sev. Dal'n. Vostok. (ed. M.T. Mazurenko)*: 15 (1981)—U.S.S.R. (Soviet Far East).

**SAXIFRAGA** :-

- microgyna  
 f. uniflora *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 19 (1989)—China.
- montana  
 f. densifolia *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 13 (1989)—China.  
 f. oblongipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 13 (1989)—China.
- montanella  
 var. retusa *J.T. Pan in Fl. Xizangica*, 2: 482 (1985)—Xizang.
- mucronulata  
 subsp. sikkimensis (*Hultén*) *H. Hara in Enum. Fl. Pl. Nepal*, 2: 153 (1979); *S. flagellaris* subsp. sikkimensis.
- nakaoides *J.T. Pan in Fl. Xizangica*, 2: 485 (1985)—Xizang.
- nanella  
 var. glabrisepala *J.T. Pan in Fl. Xizangica*, 2: 503 (1985)—Xizang.
- nanelloides *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 62 (1990)—China.
- nanggenica *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 392 (1990)—China.
- nayarii *B.M. Wadhwa in Bull. Bot. Surv. India*, 26(1-2): 102 (1984 publ. 1985)—Xizang.
- obovatifolia *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 16 (1989)—China.
- obtusata (*Sprague*) *R. Horný & K. Mirko Webr, Lomikameny sekce Porophyllum*, 1: 106 (1985); *S. scardica* var. obtusata.
- oligophylla *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 8 (1989)—China.
- omphalodifolia  
 var. callosa *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 59 (1990)—China.  
 var. retusopetala *J.T. Pan in Acta Phytotax. Sin.*, 28(1): 59 (1990)—Xizang.
- oppositifolia  
 subsp. paradoxa *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 237 (1987)—France, Spain.
- oreophila  
 var. dapaoshanensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 391 (1990)—China.
- orogredensis *S. Rivas-Martínez, V. de la Fuente & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 4: 123 (1988)—Spain.
- ovatifolia *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 3 (1989)—China.
- ovczinnikovii *R.V. Kamelin in Dokl. Akad. Nauk Tadzh. SSR*, 32(12): 849 (1989 publ. 1990)—U.S.S.R. (Middle Asia).
- paiguensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 394 (1990)—Xizang.
- parnassifolia  
 var. obscuricallosa *J.T. Pan in Fl. Xizangica*, 2: 478 (1985)—Xizang.
- pauciflora *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 14 (1989)—China.
- pellucida *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 61 (1990)—China.
- pentadactylis  
 subsp. almanzorii *P. Vargas in An. Jard. Bot. Madrid*, 43(2): 457 (1986 publ. 1987)—Spain.  
 subsp. losae (*Sennen*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 249 (1987); *S. losae*.
- peplidifolia  
 var. angustipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 2 (1989)—China.
- platyloba *G. Mateo Sanz & M.B. Crespo Villalba in Fontqueria*, 24: 7 (1989)—Spain.
- propinqua *R. Br. in Ross, Voy. Expl. Baffin's Bay*: cxlii (April 1819); cf. *D.J. Mabberley in Taxon*, 30(1): 17 (1981)—Locality not stated.
- ×prudhommei *P. Aubin in Bull. Mens. Soc. Linn. Lyon*, 56(1): 15 (1987)—France. (*S. granulata* × *intricata*).
- punctulata  
 var. minuta *J.T. Pan in Fl. Xizangica*, 2: 492 (1985)—Xizang.
- punctulatoides *J.T. Pan in Fl. Xizangica*, 2: 493 (1985)—Xizang.
- razshivinii *P.Yu. Zhmylev in Byull. Mosk. Obshch. Ispyt. Priro., Biol.*, 95(3): 87 (1990)—Canada (Yukon), Alaska.
- reflexa *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 4 (1989)—China.

**SAXIFRAGA** :-

- riagdomensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 2 (1989)—Xizang.
- rizhaoshanensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 386 (1990)—China.
- rosacea  
 subsp. hartii (*D.A. Webb*) *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 246 (1987); *S. hartii*.
- rotundifolia  
 var. apennina *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 232 (1987)—Italy.
- rotundipetala *J.T. Pan in Fl. Xizangica*, 2: 513 (1985)—Xizang.
- rupestris *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 7 (1989)—China.
- serrata (*Haw.*) *Lehm., Sem. Hort. Bot. Hamburg*, 1824: 16 (1824); cf. *D.J. Mabberley in Taxon*, 32(1): 86 (1983); Basionym not stated.
- setulosa *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 55 (1990)—China.
- sheqilaensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 388 (1990)—Xizang.
- spathulifolia *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 11 (1989)—China.
- spruneri  
 var. deorum (*Pénzes*) *R. Horný & K. Mirko Webr, Lomikameny sekce Porophyllum*, 1: 117 (1985); *S. spruneri* subsp. deorum.
- stellaris  
 var. gemmifera *D.A. Webb in Bot. J. Linn. Soc.*, 95(4): 231 (1987)—Ireland.
- stelleriana  
 var. pubifolia *P.Yu. Zhmylev in Byull. Mosk. Obshch. Ispyt. Priro., Biol.*, 93(1): 96 (1988)—U.S.S.R. (Soviet Far East).
- stenophylla  
 subsp. hoffmeisteri (*Klotzsch*) *H. Hara in Enum. Fl. Pl. Nepal*, 2: 155 (1979); *S. hoffmeisteri*.
- sublinearifolia *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 385 (1990)—China.
- subomphalodifolia *J.T. Pan in Acta Phytotax. Sin.*, 28(1): 57 (1990)—China.
- subpeltata *Fröbel, Revue horticole*, 44: 147 (1872); cf. *D.J. Mabberley in Taxon*, 34(3): 455 (1985)—Locality not stated.
- subseiformis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 391 (1990)—China.
- substrigosa *J.T. Pan in Fl. Xizangica*, 2: 463 (1985)—Xizang.
- subtsangchanensis *J.T. Pan in Acta Phytotax. Sin.*, 28(5): 389 (1990)—Xizang.
- tischii *R.J. Skelly in Madroño*, 35(2): 126 (1988)—U.S.A. (Washington), Canada (British Columbia).
- umbellulata  
 var. muricola (*Marq. & Shaw*) *J.T. Pan in Fl. Xizangica*, 2: 494 (1985); *S. muricola*.
- unguiculata  
 var. limprichtii (*Engl. & Im.*) *J.T. Pan ex S.Y. He in Fl. Hebeiensis*, 1: 581 (1986); *S. limprichtii*.
- wardii  
 var. glabripedicellata *J.T. Pan in Fl. Xizangica*, 2: 468 (1985)—Xizang.
- wenchuanensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 16 (1989)—China.
- willkommiana  
 subsp. almanzorii (*P. Vargas*) *Rivas-Martínez ex F. Amich, J.A. Sánchez Rodríguez & F.J. Fernández Diez, Exsicc. Select. Fl. Ibericae*: 8 (1988); *S. pentadactylis* subsp. almanzorii.  
 subsp. caballeroi (*Cámara & Sennen*) *V. de la Fuente in Lazaroa*, 8: 217 (1985 publ. 1986); *S. caballeroi*.
- xiaojinensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 5 (1989)—China.
- yezhiensis *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 54 (1990)—China.
- yunlingensis *C.Y. Wu in Acta Phytotax. Sin.*, 28(1): 61 (1990)—China.
- zayuensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 12 (1989)—Xizang.
- f. angustipetala *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 13 (1989)—China.
- zhejiangensis *Z. Wei & Y.B. Chang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 33 (1989)—China.
- zoganensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 13 (1989)—Xizang.
- var. pilosa *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 14 (1989)—Xizang.

**SCABIOSA** (Dipsacac.).

sect. *Olivierianae* K.H. Rechinger in *Willdenowia*, 19(1): 139 (1989).

## columbaria

subsp. *caespitosa* Z. Jamzad in *Iranian J. Bot.*, 4(2): 186 (1989)—Iran.

subsp. *tineensis* M. Lainz, *Mis contrib. conocim. fl. Asturias*: 64 (1982)—Spain.

deserticola K.H. Rechinger in *Willdenowia*, 19(1): 142 (1989)—Iraq, Sinai Peninsula, Jordan, Syria, Saudi Arabia, Iran, U.S.S.R. (Middle Asia), Afghanistan, Pakistan.

esfandiarrii Z. Jamzad in *Iranian J. Bot.*, 4(2): 184 (1989)—Iran.

longepedunculata Hornem., *Hort. Hafn.*: 985 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.

## persica

var. *rosea* Z. Jamzad in *Iranian J. Bot.*, 4(2): 188 (1989)—Iran.

scopolii Hort. Vindob. ex Hornem., *Hort. Hafn., Suppl.*: 16 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.

transcaspica K.H. Rechinger in *Willdenowia*, 19(1): 148 (1989)—U.S.S.R. (Middle Asia, Caucasus), Iran.

## tschiliensis

var. *superba* (Grün.) S.Y. He in *Fl. Reipubl. Popul. Sin.*, 73(1): 81 (1986); S. *superba*.

**SCABIOSIOPSIS** K.H. Rechinger in *Willdenowia*, 19(1): 153 (1989). *DIPSACACEAE*.

enigmatica K.H. Rechinger in *Willdenowia*, 19(1): 153 (1989)—Iran.

**SCAEVOLA** (Goodeniace.).

subsect. *Parvifoliae* R. Carolin in *Telopea*, 3(4): 490 (1990).

subsect. *Pogonanthera* (Don) R. Carolin in *Telopea*, 3(4): 490 (1990); S. sect. *Pogonanthera*.

acacioides R. Carolin in *Telopea*, 3(4): 491 (1990)—Australia (W. Australia).

## albida

var. *pallida* (R. Br.) R.C. Carolin in *Fl. S. Australia*, 3: 1410 (1986); S. *pallida*.

angustata R.C. Carolin in *Fl. S. Australia*, 3: 1410 (1986)—Australia (S. Australia).

browniana R. Carolin in *Telopea*, 3(4): 498 (1990)—Australia (W. Australia, N. Terr., Queensland).

subsp. *grandior* R. Carolin in *Telopea*, 3(4): 499 (1990)—Australia (W. Australia).

chrysopogon R. Carolin in *Telopea*, 3(4): 494 (1990)—Australia (W. Australia).

densifolia R. Carolin in *Telopea*, 3(4): 505 (1990)—Australia (W. Australia).

eneabba R. Carolin in *Telopea*, 3(4): 500 (1990)—Australia (W. Australia).

erosa *Guillaumin* ex I.H. Müller in *Fl. N. Caléd. & Dépend.*, 16: 114 (1990)—New Caledonia.

glabrata R.C. Carolin in *Fl. S. Australia*, 3: 1412 (1986), nom. nov.: S. ovalifolia  $\beta$  glabra R. Br.

globosa (Carolin) R. Carolin in *Telopea*, 3(4): 504 (1990); *Nigromnia globosa*.

glutinosa R. Carolin in *Telopea*, 3(4): 504 (1990)—Australia (Queensland).

## linearis

subsp. *confertifolia* (J. Black) R. Carolin in *Telopea*, 3(4): 504 (1990); S. *linearis* var. *confertifolia*.

macropyrena I.H. Müller in *Fl. N. Caléd. & Dépend.*, 16: 116 (1990)—New Caledonia.

parvibarata R.C. Carolin in *Fl. S. Australia*, 3: 1414 (1986)—Australia (N. Terr., Queensland, New South Wales, W. Australia, S. Australia).

## parvifolia

subsp. *acuminata* R. Carolin in *Telopea*, 3(4): 495 (1990)—Australia (W. Australia).

subsp. *pilbarae* R. Carolin in *Telopea*, 3(4): 494 (1990)—Australia (W. Australia).

pulchella R. Carolin in *Telopea*, 3(4): 496 (1990)—Australia (W. Australia).

## revoluta

subsp. *stenostachya* (W. Fitzg.) R. Carolin in *Telopea*, 3(4): 500 (1990); S. *stenostachya*.

var. *viscida* R. Carolin in *Telopea*, 3(4): 499 (1990)—Australia (N. Terr., Queensland).

spicigera R. Carolin in *Telopea*, 3(4): 502 (1990)—Australia (W. Australia).

**SCAEVOLA** :—

tenuifolia R. Carolin in *Telopea*, 3(4): 492 (1990)—Australia (W. Australia).

virgata R. Carolin in *Telopea*, 3(4): 501 (1990)—Australia (W. Australia).

**SCAGEA** G. McPherson in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 7(3): 247 (1985 publ. 1986). *EUPHORBIACEAE*.

depauperata (Baillon) G. McPherson in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 7(3): 248 (1985 publ. 1986); *Longetia depauperata*.

oligostemon (Guillaumin) G. McPherson in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 7(3): 248 (1985 publ. 1986); *Baloghia oligostemon*.

**SCALEZIA** (Compos.).

gordilloi O. Hamann & S. Wium-Andersen in *Nordic J. Bot.*, 6(1): 35 (1986)—Galapagos Is.

**SCALIGERIA** (Umbellif.).

gongylotaxis K.H. Rechinger in *Fl. Iran.*, 162: 226 (1987)—Afghanistan.

**SCANDIX** (Umbellif.).

nemorosa (Bieb.) Hornem., *Hort. Hafn., Suppl.*: 34 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984); *Basionym* not stated.

**SCAPHIUM** (Sterculiac.).

velutinosum A.J.G.H. Kostermans in *Reinwardtia*, 10(5): 478 (1988)—Sumatra.

**SCAPHOCHLAMYS** (Zingiberac.).

argentea R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 209 (1987)—Borneo (Sarawak).

petiolata (K. Schum.) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 210 (1987); *Haplochorema petiolatum*.

reticosa (Ridley) R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 209 (1987); *Gastrochilus reticosus*.

**SCAPHOSEPALUM** (Orchidac.).

sect. *Distichium* C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 26 (1988).

sect. *Leiocaulium* C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 26 (1988).

cimex C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 46 (1988)—Ecuador.

fimbriatum C.A. Luer & Hirtz in C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 57 (1988)—Ecuador.

## swertiifolium

subsp. *exiguum* C.A. Luer & Escobar in C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 91 (1988)—Colombia, Ecuador.

triceratops C.A. Luer & Andreetta in C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 96 (1988)—Ecuador.

xystra C.A. Luer,  *Ic. Pleurothallid. V (Monogr. Syst. Bot. Missouri Bot. Gard. 26)*: 104 (1988)—Venezuela.

**SCAPHYGLOTTIS** (Orchidac.).

arctata (Dressler) B.R. Adams in *Phytologia*, 64(4): 257 (1988); *Hexisea arctata*.

boliviensis (Rolfe) B.R. Adams in *Phytologia*, 64(4): 257 (1988); *Hexadesmia boliviensis*.

chloanthia B.R. Adams in *Phytologia*, 64(4): 249 (1988)—Panama.

densa (Schltr.) B.R. Adams in *Phytologia*, 64(4): 258 (1988); *Pachystele densa*.

limonensis B.R. Adams in *Phytologia*, 64(4): 250 (1988)—Costa Rica.

panamensis B.R. Adams in *Phytologia*, 64(4): 251 (1988)—Panama.

robusta B.R. Adams in *Phytologia*, 64(4): 253 (1988)—Panama.

sessiliflora B.R. Adams in *Phytologia*, 64(4): 254 (1988)—Costa Rica.

sigmoidea (Ames & C. Schweinf.) B.R. Adams in *Phytologia*, 64(4): 257 (1988); *Hexisea sigmoidea*.

suarezii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 579 (1989)—Ecuador.

**SCAPHYGLOTTIS** :—

triloba B.R. Adams in *Phytologia*, 64(4): 256 (1988)—Colombia.

**SCELOCHILOIDES** C.H. Dodson & Chase in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 293 (1989). *ORCHIDACEAE*.

vasquezii C.H. Dodson & Chase in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 293 (1989)—Bolivia.

**SCELOCHILUS** (Orchidac.).

hirtzii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 580 (1989)—Ecuador.

janeae C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 294 (1989)—Bolivia.

larae C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 295 (1989)—Bolivia.

limatamboensis C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 3: t. 296 (1989)—Bolivia.

rubriflorus K. Senghas in  *Orchidee*, 38(3): 120 (1987)—Peru.

sillarensis C.H. Dodson & R. Vásquez Ch. in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 372 (1989)—Bolivia.

williamsii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 581 (1989)—Ecuador.

**SCHANGINIA** (Chenopodiace.).

indierensis A. Bunge, *Beitr. Fl. Russl.*: 284 (1852)—U.S.S.R. (Middle Asia).†

**SCHAUERIA** (Acanthac.).

parviflora (Leonard) T.F. Daniel in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(12): 286 (1990), without *basionym* page: *Streblacanthus parviflorus*.

**SCHEFFLERA** (Araliac.).

albocapitata M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 54 (1989)—Panama.

aquaverensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 54 (1989)—Panama.

attenuata (Sw.) D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 315 (1989); *Panax attenuatus*.

bifida M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 51 (1989)—Panama.

cabalionii P.P. Lowry in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(2): 125 (1989)—Vanuatu.

caduca M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 47 (1989)—Panama.

cartagoensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 54 (1989)—Costa Rica.

cicatricata M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 58 (1989)—Panama.

coelensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 32 (1989)—Panama.

elegantissima (Veitch ex Masters) P.P. Lowry & D.G. Frodin in *Baileya*, 23(1): 9 (1989); *Aralia elegantissima*.

feriarum D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 138(2): 422 (1986)—Philippine Is.

glabrata (Kunth) D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 316 (1989); *Panax glabratum*.

heteroclada D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 138(2): 416 (1986)—Philippine Is.

instita M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 58 (1989)—Costa Rica.

jefensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 43 (1989)—Panama.

kerchoveiana (Veitch ex W. Richards) D.G. Frodin & P.P. Lowry in *Baileya*, 23(1): 9 (1989); *Aralia kerchoveiana*.

latilugulata M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 43 (1989)—Panama.

macphersonii M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 34 (1989)—Panama.

merittii D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 138(2): 418 (1986)—Philippine Is.

minutipetiolata D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 138(2): 410 (1986)—Philippine Is.

octostyla M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 38 (1989)—Panama.

panamensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 34 (1989)—Panama.

pawoiensis D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 138(2): 417 (1986)—Philippine Is.

procumbens (Hemsley) F. Friedmann in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 8(3): 254 (1986); *Geopanax procumbens*.

pubens M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 51 (1989)—Costa Rica.



**SCHEFFLERA** :-

- reiniana D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 140(2): 337 (1988), nom. nov.: *S. aromatica* f. *scandens* Hochreutiner.
- revolutissima M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 77, 67 (1989), without latin descr. or type—New Caledonia.
- rodriguesiana Frodin ex M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 61 (1989), nom. nov.: *Didymopanax pittieri* Marchal.
- rodriguesiana D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 317 (1989), nom. nov.: *Didymopanax pittieri* Marchal.
- sapoensis M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 38 (1989)—Panama.
- simplex J.A. Steyermark & Holst in *Ann. Missouri Bot. Gard.*, 75(3): 1082 (1988)—Venezuela.
- urbaniana (Marchal) D.G. Frodin in *Proc. Acad. Nat. Sci. Philadelphia*, 141: 318 (1989): *Didymopanax urbanianus*.
- vanuatua P.P. Lowry in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(2): 129 (1989)—Vanuatu.
- veitchii (Carrière) D.G. Frodin & P.P. Lowry in *Baileya*, 23(1): 11 (1989): *Aralia veitchii*.
- whitefoordiae M.J. & J.F.M. Cannon in *Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 47 (1989)—Panama.
- yutajensis J.A. Steyermark & Holst in *Ann. Missouri Bot. Gard.*, 75(3): 1082 (1988)—Venezuela.

**SCHIEDEA** (Caryophyllac.).

- kauaiensis H. St. John in *Phytologia*, 64(3): 177 (1988)—Hawaiian Is.
- obatae H. St. John in *Phytologia*, 64(3): 178 (1988)—Hawaiian Is.
- wichmanii H. St. John in *Phytologia*, 64(3): 178 (1988)—Hawaiian Is.

**SCHIEDEELLA** (Orchidac.).

- chartacea (L.O. Wms.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986): *Spiranthes chartacea*.
- dendroneura (Sheviak & Bye) P. Burns-Balogh in *Orquidea (México)*, 10(1): 92 (1986): *Spiranthes dendroneura*.
- diaphana (Lindl.) P. Burns-Balogh & Greenwood in *Orquidea (México)*, 10(1): 93 (1986): *Spiranthes diaphana*.
- dodii P. Burns-Balogh in *Orchidee*, 40(5): 169 (1989)—Hispaniola (Dominican Republic).
- durangensis (A. & S.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 93 (1986): *Spiranthes durangensis*.
- fauci-sanguinea (Dod) P. Burns-Balogh in *Orchidee*, 40(5): 171 (1989), without basionym date: *Spiranthes fauci-sanguinea*.
- nonantzin (Glz. Tamayo ex McVaugh) González Tamayo ex M.A. Soto Arenas in *Orquidea (México)*, 11: 271 (1988): *Spiranthes nonantzin*.
- schlechteriana D.L. Szlachetko & C.J. Sheviak in *Rhodora*, 92(869): 11 (1990)—Guatemala.
- valerioi (Ames & Schweinf.) D.L. Szlachetko & C.J. Sheviak in *Rhodora*, 92(869): 16 (1990): *Spiranthes valerioi*.

**SCHIMA** (Theac.).

- dulungensis H.T. Chang & C.S. Ye in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 93 (1990)—China.
- kwangtungensis H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 92 (1990)—China.
- polynura H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 29(2): 92 (1990)—China.

**SCHINZIOPHYTON** Hutch. ex A. Radcliffe-Smith in *Kew Bull.*, 45(1): 157 (1990). **EUPHORB-IACEAE**.

- rautanenii (Schinz) A. Radcliffe-Smith in *Kew Bull.*, 45(1): 157 (1990): *Ricinodendron rautanenii*.

**SCHISANDRA** (Schisandrac.).

- flaccidramosa C.R. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 123 (1988)—China.

**SCHISMATOGLOTTIS** (Arac.).

- roseospatha J. Bogner in *Aqua Planta*, 1988(3): 96 (1988)—Borneo (Sarawak).

**SCHISTOCARPHA** (Compos.).

- longiligula
- var. *seleri* (Rydb.) B.L. Turner in *Phytologia*, 59(4): 280 (1986): *S. seleri*.

**SCHISTOSTEMON** (Humiriac.).

- fernandezii J. Cuatrecasas in *Phytologia*, 68(4): 261 (1990)—Venezuela.
- sylvaticum D. Sabatier in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 90(2): 206 (1987)—French Guiana.

**SCHIZACHYRIUM** (Gramin.).

- beckii T.J. Killeen in *Ann. Missouri Bot. Gard.*, 77(1): 184 (1990)—Bolivia.
- mittelliana B.K. Simon in *Austrobaileya*, 3(1): 90 (1989)—Australia (W. Australia).
- praematurum (Fern.) C.F. Reed in *Phytologia*, 67(6): 451 (1989): *Andropogon praematurus*.
- f. *hirtivaginat* (Fern.) C.F. Reed in *Phytologia*, 67(6): 451 (1989): *Andropogon praematurus* f. *hirtivaginat*.
- scoparium
- f. *calvescens* (Fern.) C.F. Reed in *Phytologia*, 67(6): 451 (1989): *Andropogon scoparius* f. *calvescens*.
- var. *polycladum* (Scribn. & Ball) C.F. Reed in *Phytologia*, 63(5): 410 (1987): *Andropogon scoparius* var. *polycladum*.
- f. *villosissimum* (Kearney) C.F. Reed in *Phytologia*, 67(6): 451 (1989): *Andropogon scoparius* f. *villosissimum*.
- villosum (Poir.) J.F. Veldkamp in *Blumea*, 31(2): 306 (1986): *Rottboellia villosa*.

**SCHIZOGLOSSUM** (Asclepiadac.).

- amatolicum O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 182 (1988 publ. 1989)—South Africa (Cape Province).
- rubiginosum O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 182 (1988 publ. 1989)—South Africa (Natal).

**SCHIZOPETALON** (Crucif.).

- arcuatum I.A. Al-Shehbaz in *Harvard Pap. Bot.*, 1: 34 (1989)—Chile.
- brachycarpum I.A. Al-Shehbaz in *Harvard Pap. Bot.*, 1: 38 (1989)—Chile.
- corymbosum I.A. Al-Shehbaz in *Harvard Pap. Bot.*, 1: 41 (1989)—Chile.
- maipoanum P. Ravenna in *Onira, Bot. Leaflet*, 1(4): 32 (1988), as 'Schyzopetalon'—Chile.

**SCHIZOPHRAGMA** (Hydrangeac.).

- hydrangeoides
- f. *mollis* (Honda) Hara ex H. Ohba in *J. Jap. Bot.*, 64(11): 325 (1989): *S. hydrangeoides* var. *mollis*.

**SCHIZOSTACHYUM** (Gramin.).

- annulatum C.J. Hsueh & W.P. Zhang in *J. Bamboo Res.*, 5(1): 77 (1986)—China.

**SCHIZOSTIGMA** G.A.W. Arnott in *Madras J. Lit. Sci.*, 12: 50 (1940). **CUCURBITACEAE**.**SCHLIMMIA** (Orchidac.).

- condorana C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 582 (1989), as 'Schlimia'—Ecuador.
- jennyana E. Lückel in *Orchidee*, 41(2): 68 (1990), as 'Schlimia'—Peru.

**SCHOBERIA** (Chenopodiac.).

- linearis (Moq.) A. Bunge, *Beitr. Fl. Russl.*: 289 (1852): *Chenopodina linearis*.†
- obtusifolia A. Bunge, *Beitr. Fl. Russl.*: 290 (1852)—U.S.S.R. (Middle Asia).†
- tortuosa Moq. ex A. Bunge, *Beitr. Fl. Russl.*: 288 (1852)—Locality not stated.†
- transoxana A. Bunge, *Beitr. Fl. Russl.*: 291 (1852)—U.S.S.R. (Middle Asia).†
- vera (Moq.) A. Bunge, *Beitr. Fl. Russl.*: 289 (1852): *Chenopodina vera*.†

**SCHOENOBIBLUS** (Thymelaeac.).

- amazonicus J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 654 (1987)—Venezuela.
- crassiseppala K. Barringer & L.I. Nevling in *Brittonia*, 39(4): 428 (1987)—Venezuela.
- suffruticosa K. Barringer & L.I. Nevling in *Brittonia*, 39(4): 429 (1987)—Venezuela.

**SCHOENOCAULON** (Melanthiac.).

- jaliscense
- var. *regulare* (Brinker) D. Frame in *R. McVaugh, Fl. Novo-Galiciana*, 15: 266 (1989): *S. regulare*.

**SCHOENOCAULON** :-

- lauricola McVaugh ex D. Frame in *R. McVaugh, Fl. Novo-Galiciana*, 15: 267 (1989)—Mexico.
- pellucidum D. Frame in *R. McVaugh, Fl. Novo-Galiciana*, 15: 272 (1989)—Mexico.
- tigrense D. Frame in *R. McVaugh, Fl. Novo-Galiciana*, 15: 274 (1989)—Mexico.

**SCHOENOCEPHALIUM** (Rapateac.).

- sipapoanum B. Maguire in *Acta Bot. Venezuel.*, 14(3): 17 (1984)—Venezuela.

**SCHOENOIDES** O. Seberg in *Willdenowia*, 16(1): 181 (1986). **CYPERACEAE**.

- oligocephalus (W.M. Curtis) O. Seberg in *Willdenowia*, 16(1): 182 (1986): *Oreobolus oligocephalus*.

**SCHOENOPLECTUS** (Cyperac.).

- ×kuekenthalianus (Junge) D.H. Kent in *Watsonia*, 18(2): 213 (1990): *Scirpus* × *kuekenthalianus*.
- lacustris
- subsp. *validus* (Vahl) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 128 (1989): *Scirpus validus*.

**SCHOENORCHIS** (Orchidac.).

- eberhardtii (Finet) L.V. Aver'yanov in *Bot. Zhurn.*, 73(1): 107 (1988): *Saccolabium eberhardtii*.
- endertii (J.J. Smith) E.A. Christenson & J.J. Wood in *Lindleyana*, 5(2): 101 (1990): *Robiqueta endertii*.

**SCHOENOXIPHIMUM** (Cyperac.).

- altum I. Kukkonen in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 365 (1986)—South Africa (Cape Province).
- bracteosum I. Kukkonen in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 365 (1986)—South Africa (Cape Province, Natal), Lesotho.
- burtii I. Kukkonen in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 365 (1986)—South Africa (Natal).
- molle I. Kukkonen in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 366 (1986)—South Africa (Natal).
- strictum I. Kukkonen in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 366 (1986)—South Africa (Natal).

**SCHOEPIA** (Olacac.).

- clarkii J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1061 (1988)—Venezuela.
- paradoxa (Bisse & Berazain) R. Berazain Iturralde in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(2): 10 (1985 publ. 1986), without exact basionym page: *Pseudogonocalyx paradoxa*.

**SCHRADERA** (Rubiace.).

- marahuacensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 114 (1987)—Venezuela.

**SCHRANKIA** (Legumin.).

- jaliscensis (Macbr.) R. McVaugh, *Fl. Novo-Galiciana*, 5: 247 (1987): *S. quadrivalvis* var. *jaliscensis*.
- microphylla
- var. *floridana* (Chapman) D. Isely in *Castanea*, 51(3): 204 (1986): *S. floridana*.
- nuttallii
- var. *hystricina* (Small ex Britt. & Rose) D. Isely in *Castanea*, 51(3): 205 (1986): *Leptoglottis hystricina*.

**SCHULZIA** (Umbellif.).

- prostrata M.G. Pimenov & E.V. Klyuikov in *Bot. Zhurn.*, 75(1): 94 (1990)—U.S.S.R. (Middle Asia).

**SCHWARTZIA** (Marcgraviac.).

- spiciflora (A.L. Juss.) H.G. Bedell in *R.A. Howard, Fl. Lesser Antilles (Dicot. 2)*, 5: 309 (1989): *Marcgravia spiciflora*.

**SCHWENCKIA** (Solanac.).

- huberi C.E. Benítez de Rojas in *Ann. Missouri Bot. Gard.*, 77(2): 412 (1990)—Venezuela.
- trujilloi C.E. Benítez de Rojas in *Ann. Missouri Bot. Gard.*, 77(2): 415 (1990)—Venezuela.

**SCILLA** (Hyacinthac.).

- buckkensis F. Speta in *Naturk. Jahrb. Linz*, 22: 42 (1976)—Hungary, Czechoslovakia.

- SCILLA** :—  
*clusiana* Endl., *Cat. Horti Vindob.*, 1: 129 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984)—Locality not stated.  
*dimartinii* S. Brullo & P. Pavone in *Candollea*, 42(2): 614 (1987)—Italy (Lampedusa Is.).  
*drunensis* (Speta) F. Speta in *Naturk. Jahrb. Linz*, 22: 34 (1976): *S. bifolia* subsp. *drunensis*.  
*lus. albescens* Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 69 (1987-88 publ. 1988)—Hungary.  
*lus. albida* Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 69 (1987-88 publ. 1988)—Hungary.  
*subsp. buekkensis* (Speta) Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 69 (1987-88 publ. 1988), without basionym ref.: *S. buekkensis*.  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 329 (1784)—Japan.†  
*scilloides*  
*var. mounsei* (Lévl.) D.R. McKean in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 195 (1986): *S. chinensis* var. *mounsei*.  
*siberica* A.H. Haworth in H. Andrews, *Botanist's Repository*, 6: t. 365 (1804)—Siberia.†  
*spetana* Z. Kereszty in *Symb. Bot. Upsal.*, 27(2): 111 (1986 publ. 1987); et in *Bot. Közlem.*, 74-75(1-2): 69 (1987-88 publ. 1988)—Hungary.  
*vindobonensis*  
*lus. alba* (Beck) Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 67 (1987-88 publ. 1988): *S. bifolia* β *alba*.  
*lus. albicans* Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 68 (1987-88 publ. 1988)—Hungary.  
*subsp. borhidiana* Z. Kereszty in *Symb. Bot. Upsal.*, 27(2): 111 (1986 publ. 1987); et in *Bot. Közlem.*, 74-75(1-2): 68 (1987-88 publ. 1988)—Hungary.  
*lus. rosacea* Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 67 (1987-88 publ. 1988), homonym see p. 68 & ICBN(1988) Arts. 24.5(Note 1) & 64.5—Hungary.  
*lus. rosacea* Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 68 (1987-88 publ. 1988), homonym see p. 67 & ICBN(1988) Arts. 24.5(Note 1) & 64.5—Hungary.  
*lus. rubra* (Beck) Z. Kereszty in *Bot. Közlem.*, 74-75(1-2): 67 (1987-88 publ. 1988): *S. bifolia* γ *rubra*.  
*var. transdanubialis* Z. Kereszty in *Symb. Bot. Upsal.*, 27(2): 111 (1986 publ. 1987); et in *Bot. Közlem.*, 74-75(1-2): 68 (1987-88 publ. 1988)—Hungary.
- SCIRPOIDES** (Cyperac.).  
*holoschoenus*  
*subsp. panormitanus* (Parlat.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Scirpus panormitanus*.
- SCIRPUS** (Cyperac.).  
*microcarpus*  
*f. radiosus* (Fern.) C.F. Reed in *Phytologia*, 67(6): 453 (1989): *S. rubiotinctus* f. *radiosus*.  
*oligosetus* A.E. Kozhevnikov in *Bot. Zhurn.*, 72(9): 1255 (1987)—U.S.S.R. (Soviet Far East), ?China.  
*pendulus*  
*f. elongatus* (Eames) C.F. Reed in *Phytologia*, 67(6): 453 (1989): *S. lineatus* f. *elongatus*.  
*rongchengensis* F.Z. Li in *Acta Phytotax. Sin.*, 25(1): 71 (1987)—China.  
*sylvaticus*  
*subsp. maximowiczii* (Rgl.) N.R. Cui in *Claves Pl. Xinjiang.*, 1: 293 (1982): *S. sylvaticus* var. *maximowiczii*.
- SCLAREA** (Labiata.).  
*amplexicaulis* (Lam.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Salvia amplexicaulis*.  
*austriaca* (Jacq.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Salvia austriaca*.  
*bicolor* (Lam.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Salvia bicolor*.  
*candidissima* (Vahl) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 21 (1983): *Salvia candidissima*.  
*dumetorum* (Andrzejowski ex Besser) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia dumetorum*.  
*nutans* (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia nutans*.
- SCLAREA** :—  
*rhodantha* (Zef.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia rhodantha*.  
*sibthorpii* (Smith) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia sibthorpii*.  
*sonclarii* (Pant.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia sonclarii*.  
*transsilvanica* (Schur) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia transsilvanica*.  
*verbenacea* (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia verbenacea*.  
*virgata* (Jacq.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia virgata*.  
*viridis* (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia viridis*.
- SCLERIA** (Cyperac.).  
*cerradicola* T. Koyama in *Acta Amazonica*, 14(1-2 Suppl.): 112 (1984 publ. 1986)—Brazil, Venezuela, Guyana.  
*ciliata*  
*var. curtissii* (Britton) J.W. Kessler in *Sida*, 12(2): 398 (1987): *S. curtissii*.  
*dulungensis* P.C. Li in *Acta Bot. Yunnanica*, 12(1): 12 (1990)—China.  
*latifolia*  
*subsp. foliosa* (Nees) T. Koyama in *Acta Amazonica*, 14(1-2 Suppl.): 108 (1984 publ. 1986): *Schizolepis foliosa*.  
*mitis*  
*subsp. eggersiana* (Boeckeler) T. Koyama in *Acta Amazonica*, 14(1-2 Suppl.): 112 (1984 publ. 1986): *S. eggersiana*.  
*orchardii* C.D. Adams in *Phytologia*, 63(4): 299 (1987)—Trinidad.
- SCLEROCACTUS** (Cactac.).  
*erectocentrus* (J. Coulter) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus erectocentrus*.  
*intertextus* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus intertextus*.  
*var. dasyacanthus* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus intertextus* var. *dasyacanthus*.  
*johnsonii* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus johnsonii*.  
*mariposensis* (Hester) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinomastus mariposensis*.  
*papyracanthus* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Mammillaria papyracantha*.  
*pubispinus*  
*var. spinosior* (Engelm.) S.L. Welsh in *Great Basin Nat.*, 44(1): 67 (1984): *Echinocactus whipplei* var. *spinosior*.  
*scheeri* (Salm-Dyck) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus scheeri*.  
*schlesseri* K. Heil & S.L. Welsh in *Great Basin Nat.*, 46(4): 677 (1986)—U.S.A. (Nevada).  
*spinosior*  
*var. blainei* (Welsh & Thorne) R. May in *Cact. Succ. J. (U.S.A.)*, 60(1): 35, 45 (1988): *S. blainei*.  
*var. schlesseri* (Heil & Welsh) R. May in *Cact. Succ. J. (U.S.A.)*, 60(1): 35, 45 (1988): *S. schlesseri*.  
*uncinatus* (Galeotti) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus uncinatus*.  
*var. crassihamatus* (F.A.C. Weber) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus crassihamatus*.  
*var. wrightii* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus uncinatus* var. *wrightii*.  
*unguispinus* (Engelmann) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus unguispinus*.  
*var. durangensis* (Runge) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Echinocactus durangensis*.  
*warnockii* (L. Benson) N.P. Taylor in *Bradleya*, 5: 94 (1987): *Neolloydia warnockii*.  
*wetlandicus* F. Hochstätter in *Succulenta*, 68(6): 123, 125 (1989)—U.S.A. (Utah).  
*whipplei*  
*var. glaucus* (K. Schum.) S.L. Welsh in *Great Basin Nat.*, 44(1): 68 (1984): *Echinocactus glaucus*.
- SCLEROCARPUS** (Compos.).  
*uniserialis*  
*var. austrotexanus* B.L. Turner in *Phytologia*, 64(5): 341 (1988)—U.S.A. (Texas).
- SCLEROCARYOPSIS** (Boraginac.).  
*ceratophora* (Popov) F. Sadat in *Mitt. Bot. Staatssamm. München*, 28: 22 (1989): *Echinosperrum ceratophorum*.
- SCLEROCHLOA** (Gramin.).  
*tritricum* J. Woods, *Tourist's Fl.*: 411 (1850)—Locality not stated.
- SCLEROLAENA** (Chenopodiace.).  
*brachyptera* (F. Muell.) S.W.L. Jacobs in *Telopea*, 3(2): 143 (1988): *Sclerochlamys brachyptera*.  
*fontinalis* P.G. Wilson in *Fl. S. Australia*, 1: 302 (1986)—Australia (S. Australia).  
*stelligera* (F. Muell.) S.W.L. Jacobs in *Telopea*, 3(2): 143 (1988): *Maireana stelligera*.
- SCLERONEMA** (Bombacac.).  
*neblinense* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 645 (1987)—Brazil, Venezuela.
- SCLERORHACHIS** (Compos.).  
*kjurendaghi* (Kurbanov) S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 169 (1987): *Tanacetopsis kjurendaghi*.  
*paropamisica* (Krasch.) S.S. Kovalevskaya in *Novosti Sist. Vyssh. Rast.*, 24: 168 (1987): *Pyrethrum paropamisica*.  
*platyrachis* (Boiss.) Podlech ex K.H. Rechinger in *Fl. Iran.*, 158: 47 (1986): *Pyrethrum platyrachis*.
- SCORDIUM** (Labiata.).  
*procumbens* Lag., *Elenchus*: 14 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982)—Locality not stated.
- SCORZONERA** (Compos.).  
*subgen. Lasiospora* (Cass.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 25: 190 (1988); et in *Fl. Evropeiskoi Chasti SSSR*, 8: 45 (1989): gen. *Laiospora*.  
*subgen. Piptopogon* (C.A. Meyer ex Turcz.) C. Díaz de la Guardia & G. Blanca in *An. Jard. Bot. Madrid*, 43(2): 330 (1986 publ. 1987): *S. sect. Piptopogon*.  
*acrolasia* A. Bunge, *Beitr. Fl. Russl.*: 202 (1852)—U.S.S.R. (Middle Asia).†  
*albicans*  
*f. longifolia* A.M. Negrillo Galindo in *Stud. Bot. (Salamanca)*, 5: 115 (1986)—Spain.  
*ammophila* A. Bunge, *Beitr. Fl. Russl.*: 202 (1852)—U.S.S.R. (Middle Asia).†  
*angustifolia*  
*var. minor* (Willk.) C. Díaz de la Guardia & G. Blanca in *An. Jard. Bot. Madrid*, 43(2): 338 (1986 publ. 1987): *S. graminifolia* var. *minor*.  
*baetica*  
*subsp. ebusitana* O. de Bolòs & J. Vigo in *Fontqueria*, 14: 9 (1987)—Balearic Is.  
*cenopleura* A. Bunge, *Beitr. Fl. Russl.*: 202 (1852)—U.S.S.R. (Middle Asia).†  
*czerepanovii* R.V. Kamelin in *Bot. Zhurn.*, 71(12): 1680 (1986), nom. nov., without replaced synonym ref.: *S. lanata* (L.) Hoffm.  
*divaricata*  
*var. tatewakii* S. Kitamura in *Acta Phytotax. Geobot.*, 40(5-6): 143 (1989)—China.  
*ensifolia*  
*var. macrophylla* (Fisch. & Mey.) N.N. Tsvelev in *Fl. Evropeiskoi Chasti SSSR*, 8: 46 (1989): *S. macrophylla*.  
*gorovanica* E.A. Nazarova in *Bot. Zhurn.*, 73(3): 433 (1988)—U.S.S.R. (Caucasus).  
*hemilasia* A. Bunge, *Beitr. Fl. Russl.*: 201 (1852)—U.S.S.R. (Middle Asia).†  
*intermedia* A. Bunge, *Beitr. Fl. Russl.*: 201 (1852)—U.S.S.R. (Middle Asia).†  
*laciniata*  
*f. decumbens* (Guss.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 85 (1989): *S. calcitrapifolia* b. *decumbens*.  
*f. latifolia* (Gren. & Godr.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 85 (1989): *Podospermum laciniatum* var. *latifolia*.  
*var. subulata* (DC.) C. Díaz de la Guardia & G. Blanca in *An. Jard. Bot. Madrid*, 43(2): 349 (1986 publ. 1987): *Podospermum subulatum*.  
*f. subulata* (Lam.) O. de Bolòs & J. Vigo in *Folia Bot. Misc.*, 6: 85 (1989): *S. subulata*.

**SCORZONERA** :-

- mollis  
var. subacaulis *N.N. Tsvelev in Fl. Evropeiskoi Chasti SSSR*, 8: 45 (1989)—U.S.S.R. (Crimea).  
pamirica *C. Shih in Acta Phytotax. Sin.*, 25(1): 48 (1987)—Xinjiang.  
sandrastica *P. Hartvig & A. Strid in Bot. Jahrb.*, 108(2-3): 311 (1987)—Turkey.

**SCROPHULARIA** (Scrophulariac.).

- bahorucana *T.A. Zanon in Moscosoa*, 5: 108 (1989)—Hispaniola (Dominican Republic).  
jafrii *S. Khatoon & M. Qaiser in Willdenowia*, 17(1-2): 136 (1988)—Pakistan.  
leucoclada *A. Bunge, Beitr. Fl. Russl.*: 248 (1852)—U.S.S.R. (Middle Asia).†  
omeri *S. Khatoon & M. Qaiser in Willdenowia*, 17(1-2): 131 (1988)—Pakistan.  
rodinii *Hamidullah in Pakistan J. Bot.*, 19(1): 107 (1987)—Pakistan.  
scabiosaefolia  
subsp. stewartii (*Pennell*) *M. Qaiser & S. Khatoon in Willdenowia*, 17(1-2): 140 (1988); *S. stewartii*.  
strizhoviiae *L.N. Abdusalyamova in Fl. Tadzhikskoi SSR*, 8: 485, 356 (1986)—U.S.S.R. (Middle Asia).  
umbrosa  
subsp. robusta (*Pennell*) *M. Qaiser & S. Khatoon in Willdenowia*, 17(1-2): 137 (1988); *S. robusta*.

**SCROTOCHLOA** (Gramin.).

- taraensis (*P. Jansen*) *E.J. Judziewicz in Phytologia*, 56(4): 300 (1984); *Leptaspis taraensis*.

**SCURRULA** (Loranthac.).

- sect. Cichlanthus (*Van Tiegh.*) *H.S. Kiu in Fl. Reipubl. Popul. Sin.*, 24: 111 (1988); gen. Cichlanthus.  
chingii (*Cheng*) *H.S. Kiu in Fl. Yunnanica*, 3: 363 (1983); *Loranthus chingii*.  
var. yunnanensis *H.S. Kiu in Fl. Yunnanica*, 3: 364 (1983)—China.  
parasitica  
var. graciliflora (*Wall. ex DC.*) *H.S. Kiu in Fl. Yunnanica*, 3: 363 (1983); *Loranthus graciliflorus*.  
pseudochinensis (*Yamamoto*) *Y.C. Liu & K.L. Chen in Quart. J. Chinese Forest.*, 21(2): 14 (1988); *Loranthus pseudochinensis*.

**SCUTELLARIA** (Labiata.).

- sect. Anaspis (*Rech. f.*) *A. Paton in Notes Roy. Bot. Gard. Edinburgh*, 46(3): 346 (1990); gen. Anaspis.  
subsect. Cystaspis (*Juz.*) *A. Paton in Notes Roy. Bot. Gard. Edinburgh*, 46(3): 347 (1990); *S. sect. Cystaspis*.  
subsect. Lupulinaria (*A. Hamilton*) *A. Paton in Notes Roy. Bot. Gard. Edinburgh*, 46(3): 347, 346 (1990); *S. sect. Lupulinaria*.  
sect. Salazaria (*Torrey*) *A. Paton in Notes Roy. Bot. Gard. Edinburgh*, 46(3): 346 (1990); gen. Salazaria.  
albida  
subsp. velenovskyi (*Rech. f.*) *W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), Med-checklist*, 3: 342 (1986); *S. velenovskyi*.  
angustifolia  
subsp. micrantha *R.G. Olmstead in Contrib. Univ. Mich. Herb.*, 17: 240 (1990)—U.S.A. (Nevada, Oregon, Idaho, Utah).  
carmenensis *J. Henrickson in Aliso*, 12(3): 521 (1989 publ. 1990)—Mexico.  
chodshakasianni *R. Kam. ex T.F. Kochkareva in Fl. Tadzhikskoi SSR*, 8: 482, 85 (1986)—U.S.S.R. (Middle Asia).  
grandiflora  
subsp. gymnosperma *R.V. Kamelin & I.A. Gubanov in Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 94(5): 110 (1989)—Mongolia.  
haesitabunda *Juz. ex T.F. Kochkareva in Fl. Tadzhikskoi SSR*, 8: 482, 74 (1986)—U.S.S.R. (Middle Asia).  
hintoniorum *J. Henrickson in Aliso*, 12(3): 517 (1989 publ. 1990)—Mexico.  
hyssopifolia  
var. hispida (*Benth.*) *J.L. Reveal in Bot. J. Linn. Soc.*, 92(2): 175 (1986); *S. integrifolia* var. hispida.

**SCUTELLARIA** :-

- kiusiana  
var. kuromidakensis *T. Yahara in J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 108 (1987)—Japan.  
lutilabia *T.M. Lane & G.L. Nesom in Madroño*, 35(2): 112 (1988)—Mexico.  
mexicana (*Torrey*) *A. Paton in Notes Roy. Bot. Gard. Edinburgh*, 46(3): 346 (1990); *Salazaria mexicana*.  
molanguitensis *P. Hiriart Valencia in Bol. Soc. Bot. Méx.*, 46: 43 (1984 publ. 1986)—Mexico.  
orbicularis *A. Bunge, Beitr. Fl. Russl.*: 260 (1852)—U.S.S.R. (Middle Asia).†  
orientalis  
subsp. tortumensis *Kit Tan & F. Sorger in Pl. Syst. Evol.*, 155(1-4): 98 (1987)—Turkey.  
rubropunctata  
var. yakusimensis (*Masamune*) *T. Yahara in J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 108 (1987); *S. indica* var. yakusimensis.  
rupestris  
subsp. caroli-henrici *R. von Bothmer in Pl. Syst. Evol.*, 155(1-4): 242 (1987)—Greece.  
subsp. olympica *R. von Bothmer in Pl. Syst. Evol.*, 155(1-4): 245 (1987)—Greece.  
subsp. rechingeri *R. von Bothmer in Pl. Syst. Evol.*, 155(1-4): 246 (1987)—Greece.  
sapphirina (*Barneby*) *R.G. Olmstead in Contrib. Univ. Mich. Herb.*, 17: 256 (1990); *S. nana* var. sapphirina.  
wendtii *J. Henrickson in Aliso*, 12(3): 519 (1989 publ. 1990)—Mexico.  
zaprijagae *T.F. Kochkareva & E.P. Zhogoleva in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 1(102): 15 (1986)—U.S.S.R. (Middle Asia).

**SCUTIA** (Rhamnac.).

- circumscissa (*L.f.*) *W. Theobald in F. Mason, Burmah*, ed. 3, 2: 570 (1883); cf. *D.J. Mabberley in Taxon*, 34(1): 155 (1985); *Rhamnus circumscissus*.

**SEBAEA** (Gentianac.).

- condensata *J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(2): 133 (1987)—Madagascar.  
madagascariensis *J. Klackenberg in Taxon*, 35(3): 595 (1986), nom. nov.: *Belmontia stricta* Schinz.

**SEBASTIANIA** (Euphorbiac.).

- commersoniana (*Baillon*) *L.B. Smith & R.J. Downs in Fl. Illustr. Catar.*, 1(Euforbiac.): 308 (1988); *Stillingia commersoniana*.  
nummularifolia *I. Cordeiro in Bol. Bot. (São Paulo)*, 11: 77 (1989)—Brazil.  
panamensis *G.L. Webster in Ann. Missouri Bot. Gard.*, 75(3): 1128 (1988)—Panama.

**SECALE** (Gramin.).

- cereale  
subsp. afghanicum (*Vav.*) *K. Hammer in Kulturpflanze*, 35: 146 (1987); *S. cereale* var. afghanicum.  
strictum  
subsp. africanum (*Stapf*) *K. Hammer in Kulturpflanze*, 35: 142 (1987); *S. africanum*.  
subsp. anatolicum (*Boiss.*) *K. Hammer in Kulturpflanze*, 35: 140 (1987); *S. anatolicum*.  
subsp. ciliatoglume (*Boiss.*) *K. Hammer in Kulturpflanze*, 35: 140 (1987); *S. montanum* var. ciliatoglume.  
subsp. kuprijanovii (*Grossh.*) *K. Hammer in Kulturpflanze*, 35: 140 (1987); *S. kuprijanovii*.

**SECAMONE** (Asclepiadac.).

- andamanica *A.K. Goel & M.K. Vasudeva Rao in J. Bombay Nat. Hist. Soc.*, 85(1): 161 (1988)—Andaman Is.

**SECURIDACA** (Polygalac.).

- inappendiculata  
subsp. corymbosa (*Turcz.*) *R. van der Meijden in Fl. Males.*, 10(3): 484 (1988); *S. corymbosa*.

**SECURIGERA** (Legumin.).

- carinata *P. Lassen in Willdenowia*, 19(1): 62 (1989)—Rhodes, Turkey.  
cretica (*L.*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla cretica*.

**SECURIGERA** :-

- elegans (*Pančić*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla elegans*.  
globosa (*Lam.*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla globosa*.  
grandiflora *P. Lassen in Willdenowia*, 19(1): 60 (1989), nom. nov.: *Coronilla grandiflora* Boiss.  
libanotica (*Boiss.*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla libanotica*.  
orientalis (*Mill.*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla orientalis*.  
parviflora (*Desv.*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Arthrolobium parviflorum*.  
somalensis (*Thulin*) *P. Lassen in Willdenowia*, 19(1): 60 (1989); *Coronilla somalensis*.  
varia (*L.*) *P. Lassen in Svensk Bot. Tidskr.*, 83(2): 86 (1989); *Coronilla varia*.

**SECURINEGA** (Euphorbiac.).

- multiflora *S.B. Liang in Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 89 (1988)—China.

**SEDUM** (Crassulac.).

- subgen. Chuhsingianum *K.T. Fu in Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 67 (1987).  
abyssinicum (*A. Rich.*) *R. Hamet in Bull. Soc. Bot. France*, 59: 139 (1912); *Sempervivum abyssinicum*.†  
anhuiense *S.H. Fu & X.W. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 137 (1986)—China.  
campanulatum (*Willk.*) *F. Fernández & P. Cantó in Lazaroa*, 6: 187 (1984 publ. 1985); *S. villosum* var. ? *campanulatum*.  
celatum  
f. calcaratum *K.T. Fu in Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 69 (1987)—China.  
chuhsingense *K.T. Fu in Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 68 (1987)—China.  
creticum  
var. hierapetrae (*Rech. f.*) *H.'t. Hart & I. Hagemann in A. Strid (ed.), Mount. Fl. Greece*, 1: 353 (1986); *S. hierapetrae*.  
var. monocarpicum *H. 't Hart in Taxon*, 38(4): 650 (1989), nom. nov.: *S. creticum* Boiss. & Heldr.  
dimorphophyllum *K.T. Fu & G.Y. Rao in Acta Bot. Bor.-Occid. Sin.*, 8(2): 117 (1988)—China.  
dongzhiense *D.Q. Wang & Y.L. Shi in Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 48 (1990)—China.  
grisebachii  
subsp. flexuosum (*Wettst.*) *W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), Med-checklist*, 3: 20 (1986); *S. flexuosum*.  
subsp. kostovii (*Stefanov*) *W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), Med-checklist*, 3: 20 (1986); *S. kostovii*.  
gypsophilum *B.L. Turner in Phytologia*, 59(5): 321 (1986)—Mexico.  
hangzhouense *K.T. Fu & G.Y. Rao in Acta Bot. Bor.-Occid. Sin.*, 8(2): 119 (1988)—China.  
hengduanense *K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 6(2): 105 (1986)—China, Xizang.  
himalense  
subsp. taohoense (*Fu*) *Yu.P. Kozhevnikov in Bot. Zhurn.*, 74(4): 543 (1989); *Rhodiola taohoensis*.  
×hommelsii *H. 't Hart in Bot. Jahrb.*, 109(1): 8 (1987)—France.  
jiaodongense *Y.M. Zhang & X.D. Chen in Bull. Bot. Res. North-East. Forest. Inst.*, 10(1): 43 (1990)—China.  
jiulungshanense *Y.C. Ho in Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 31 (1989)—China.  
kiangnanense *D.Q. Wang & Z.F. Wu in Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 45 (1990)—China.  
latentibulbosum *K.T. Fu & G.Y. Rao in Acta Bot. Bor.-Occid. Sin.*, 8(2): 122 (1988)—China.  
lineare *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 430 (1784)—Japan.†  
longyanense *K.T. Fu in Acta Bot. Bor.-Occid. Sin.*, 6(2): 108 (1986)—Xizang.  
×lorenzoi *H. 't Hart in Bot. Jahrb.*, 109(1): 10 (1987)—France.  
ludlowii (*Ohba*) *Yu.P. Kozhevnikov in Bot. Zhurn.*, 74(4): 543 (1989); *Rhodiola ludlowii*.  
magellense  
subsp. olympicum (*Boiss.*) *W. Greuter & H.M. Burdet in W. Greuter, H.M. Burdet & G. Long (eds.), Med-checklist*, 3: 24 (1986); *S. olympicum*.

**SEDUM** :-

- multicaule  
 subsp. rugosum K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 6(2): 105 (1986)—Xizang.  
 muyaicum K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 6(2): 107 (1986)—China.  
 nanchuanense K.T. Fu & G.Y. Rao in *Acta Bot. Bor.-Occid. Sin.*, 8(2): 116 (1988)—China.  
 nicaense  
 subsp. dianium (O. Bolós) S. Rivas-Martínez in *Opusc. Bot. Pharm. Complutensis*, 3: 88 (1986): S. sediforme subsp. dianium.  
 var. saguntinum (O. Bolós) S. Rivas-Martínez in *Opusc. Bot. Pharm. Complutensis*, 3: 88 (1986): S. sediforme var. saguntinum.  
 obtusipetalum  
 subsp. dandyanum H. Ohba in *J. Jap. Bot.*, 61(9): 274 (1986)—Nepal.  
 ohbae Yu.P. Kozhevnikov in *Bot. Zhurn.*, 74(4): 543 (1989), nom. nov.: *Rhodiola angusta Nakai*.  
 orbatum R. Moran & J. Meyrán in *Cact. Suc. Mex.*, 33(3): 55 (1988)—Cultivation.  
 pinnatifidum (Boriss.) Yu.P. Kozhevnikov in *Bot. Zhurn.*, 74(4): 543 (1989): *Rhodiola pinnatifida*.  
 quadrifidum  
 subsp. coccineum (Royle) Yu.P. Kozhevnikov in *Bot. Zhurn.*, 73(3): 420 (1988): S. coccineum.  
 roseum  
 subsp. arcticum (Boriss.) Yu.P. Kozhevnikov in *Bot. Zhurn.*, 74(4): 537 (1989): *Rhodiola arctica*.  
 ruprechtii (Jalas) T.Ya. Omel'chuk-Myakushko in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1977: 124 (1977 publ. 1978): S. telephium subsp. ruprechtii.  
 serratum (Ohba) Yu.P. Kozhevnikov in *Bot. Zhurn.*, 74(4): 537 (1989): *Rhodiola serrata*.  
 sherriffii (Ohba) Yu.P. Kozhevnikov in *Bot. Zhurn.*, 74(4): 537 (1989): *Rhodiola sherriffii*.  
 subtile  
 subsp. chinense H. Ohba in *J. Jap. Bot.*, 61(8): 227 (1986)—China.  
 taiwanianum S.S. Ying in *Quart. J. Chinese Forest.*, 19(2): 101 (1986)—Taiwan.  
 tamaulipense G.L. Nesom in *Sida*, 13(1): 22 (1988)—Mexico.  
 tehaztense R. Moran & J. Meyrán in *Cact. Suc. Mex.*, 32(1): 4 (1987)—Mexico.  
 tianmushanense Y.C. Ho & F. Chai in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 32 (1989)—China.  
 tosaense  
 subsp. sinense K.T. Fu & G.Y. Rao in *Acta Bot. Bor.-Occid. Sin.*, 8(2): 121 (1988)—China.  
 tricarpum  
 f. viride S. Hatusima in *J. Phytogeogr. Taxon.*, 35(2): 66 (1987)—Japan.  
 uniflorum  
 subsp. rugosum (Fröd.) K.T. Fu in *Acta Bot. Bor.-Occid. Sin.*, 6(2): 110 (1986): S. japonicum f. rugosum.  
 ursi H. 't Hart in *Acta Bot. Neerl.*, 39(2): 203 (1990)—Turkey.  
 verticillatum  
 f. bulbiferum N. Yonezawa in *J. Phytogeogr. Taxon.*, 34(2): 69 (1986)—Japan.

**SELAGO** (Scrophulariac.).

- baurii (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 341 (1990): *Phyllopodium baurii*.

**SELENICEREUS** (Cactac.).

- sect. *Cryptocereus* (Alexander) D. Hunt in *Bradleya*, 7: 92 (1989): gen. *Cryptocereus*.  
 sect. *Deamia* (Britton & Rose) D. Hunt in *Bradleya*, 7: 93 (1989): gen. *Deamia*.  
 sect. *Salmidyckia* D. Hunt in *Bradleya*, 7: 91 (1989).  
 sect. *Strophocactus* (Britton & Rose) D. Hunt in *Bradleya*, 7: 93 (1989): gen. *Strophocactus*.  
 anthonyanus (Alexander) D. Hunt in *Bradleya*, 7: 93 (1989): *Cryptocereus anthonyanus*.  
 tricae D. Hunt in *Bradleya*, 7: 91 (1989)—Belize.  
 wittii (Schum.) G.D. Rowley in *Excelsa*, 12: 36 (1986): *Cereus wittii*.

**×SELENIPHYLCHIA** F. Süpple in *Succulenta*, 67(12): 258 (1988). **CACTACEAE**. (Epiphyllum × Nopalxochia × Selenicereus).**SELINUM** (Umbellif.).

- divaricatum R. Brown in C.L. von Buch, *Phys. Besch. Canar. Ins.*: 195 (1825); cf. D.J. Mabberley in *Bot. Macaronesica*, 6: 63 (1980)—Madeira.

**SEMECARPUS** (Anacardiace.).

- lineatus A.J.G.H. Kostermans in *Blumea*, 33(2): 348 (1988)—Borneo (Sabah).  
 longipes A.J.G.H. Kostermans in *Blumea*, 33(2): 349 (1988)—Borneo (Kalimantan, Sabah).

**SEMENOVIA** (Umbellif.).

- heracleifolia (Wolff) I.C. Hedge & J.M. Lamond in *Fl. Iran.*, 162: 489 (1987): *Peucedanum heracleifolium*.  
 lasiocarpa  
 subsp. incana (Rech. f. & H. Riedl) R. Alava in *Fl. Iran.*, 162: 488 (1987): *Platytaenia lasiocarpa* subsp. incana.  
 subsp. thomsonii (C.B. Clarke) R. Alava in *Fl. Iran.*, 162: 488 (1987): *Heracleum thomsonii*.  
 macrocarpa (Rech. f. & H. Riedl) R. Alava in *Fl. Iran.*, 162: 481 (1987): *Platytaenia macrocarpa*.  
 millefolia (Diels) V.M. Vinogradova & R.V. Kamelin in *Novosti Sist. Vyssh. Rast.*, 23: 96 (1986): *Heracleum millefolium*.  
 montana R.V. Kamelin & V.M. Vinogradova in *Novosti Sist. Vyssh. Rast.*, 23: 97 (1986)—China.  
 radiata (Rech. f. & H. Riedl) R. Alava in *Fl. Iran.*, 162: 484 (1987): *Platytaenia lasiocarpa* subsp. radiata.  
 subscaposa (Rech. f.) R. Alava in *Fl. Iran.*, 162: 484 (1987): *Zozimia subscaposa*.

**SEMIALARIUM** (Celastrac.).

- mexicanum (Miers) A.M.W. Mennega in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 316 (1988): *Hippocratea mexicana*.

**SEMIQUILEGIA** (Ranunculac.).

- adoxoides  
 var. grandis D.Q. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 53 (1989)—China.  
 dauciformis D.Q. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 51 (1989)—China.

**SEMIARUNDINARIA** (Gramin.).

- densiflora (Rendle) T.H. Wen in *J. Bamboo Res.*, 8(1): 24 (1989): *Arundinaria densiflora*.  
 f. villosa (S.L. Chen & Yao) T.H. Wen in *J. Bamboo Res.*, 8(1): 24 (1989): *Brachystachyum densiflorum* var. villosum.  
 sinica T.H. Wen in *J. Bamboo Res.*, 8(1): 13 (1989)—China.

**SEMILIQUIDAMBAR** (Hamamelidac.).

- chingii  
 var. longipes Y.K. Li & X.M. Wang in *Acta Bot. Yunnanica*, 8(3): 275 (1986)—China.

**SEMPERVIVUM** (Crassulac.).

- ×alidae B.J.M. Zonneveld in *Brit. Cact. Succ. J.*, 4(3): 65 (1986)—Cultivation. (S. grandiflorum × wulfenii).  
 atropatanum J.A.N. Parnell in *Willdenowia*, 18(2): 419 (1989), as 'atropatanus'—Iran.  
 brevipedatum Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1–2): 120 (1986)—Turkey.  
 globiferum  
 subsp. aghricum Kit Tan & F. Sorger in *Pl. Syst. Evol.*, 154(1–2): 121 (1986)—Turkey.  
 malacophyllum (Pallas) Salm-Dyck, *Ind. Pl. Succ.*: 53 (1822); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated.  
 tectorum  
 var. andreanum (Wale) O. de Bolós & J. Vigo, *Fl. Països Catalans*, 2: 821 (1990): S. andreanum.  
 wulfenii  
 subsp. juvenii (Strgar) C. Favarger & J. Parnell in *Bot. J. Linn. Soc.*, 103(3): 217 (1990): S. juvenii.

**SENECIO** (Compos.).

- ser. *Arborei* (O. Hoffm.) C. Jeffrey in *Kew Bull.*, 41(4): 887 (1986): S. sect. *Arborei*.  
 ser. *Lanati* (Muschl.) C. Jeffrey in *Kew Bull.*, 41(4): 898 (1986): S. sect. *Lanati*.  
 sect. *Peltati* (Muschl.) C. Jeffrey in *Kew Bull.*, 41(4): 897 (1986): S. subsect. *Peltati*.

**SENECIO** :-

- ser. *Plantaginei* (Harv.) C. Jeffrey in *Kew Bull.*, 41(4): 892 (1986): S. sect. *Plantaginei*.  
 sect. *Rowleyani* C. Jeffrey in *Kew Bull.*, 41(4): 934 (1986).  
 ser. *Sinuosi* (Harv.) C. Jeffrey in *Kew Bull.*, 41(4): 901 (1986): S. sect. *Sinuosi*.  
 subgen. *Tephroseris* (Reichenb.) A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 198 (1987): *Cineraria* sect. *Tephroseris*.  
 amplificatus C. Jeffrey in *Kew Bull.*, 41(4): 900 (1986)—Kenya.  
 andrzejowskyi N.N. Tselev in *Novosti Sist. Vyssh. Rast.*, 23: 254 (1986)—U.S.S.R. (European Russia).  
 ×arctisibiricus B.A. Yurtsev & A.A. Korobkov in *Arktich. Fl. SSSR*, 10: 235 (1987)—U.S.S.R. (Soviet Far East). (S. congestus × atropurpureus).  
 auricula  
 var. sicoricus O. de Bolós & J. Vigo in *Collect. Bot.*, 17(1): 91 (1987 publ. 1988)—Spain.  
 ×austriacus J. Herborg, *Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107)*: 195 (1987)—Austria. (S. calciaster × hercynicus).  
 barkleyi B.L. Turner in *Phytologia*, 59(2): 89 (1986)—Mexico.  
 billieturneri T.M. Barkley in *Phytologia*, 67(3): 238 (1989)—Mexico.  
 boluagensis H. Koyama in *Acta Phytotax. Geobot.*, 39(4–6): 156 (1988)—Thailand.  
 carbonellii S. Diaz-Piedrahita in *Caldasia*, 15(71–75): 35 (1986)—Colombia.  
 carlomasonii B.L. Turner & T.M. Barkley in *Phytologia*, 67(5): 390 (1989)—Mexico.  
 carnosulus (Kirk) C.J. Webb in *New Zealand J. Bot.*, 26(3): 481 (1988): S. lautus var. carnosulus.  
 chrysanthemifolius  
 subsp. aethnensis (Jan ex DC.) J. Lambinon in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 21: 63 (1986): S. aethnensis.  
 crispatilpilosus C. Jeffrey in *Kew Bull.*, 41(4): 893 (1986)—Uganda, Kenya, Sudan.  
 cronquistii (H. Robins. & Bret.) B.L. Turner & T.M. Barkley in *Phytologia*, 67(5): 392 (1989): *Roldana cronquistii*.  
 daochengensis Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 56 (1988)—China.  
 ×decipiens J. Herborg, *Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107)*: 197 (1987)—Germany, Poland, Switzerland, Austria, Italy, Greece. (S. hercynicus × ovatus).  
 dentato-alatus Mildbr. ex C. Jeffrey in *Kew Bull.*, 41(4): 893 (1986)—Tanzania.  
 discokaraguensis C. Jeffrey in *Kew Bull.*, 41(4): 895 (1986)—Tanzania.  
 dolichodoryi J. Cuatrecasas in *Proc. Biol. Soc. Wash.*, 98(3): 623 (1985)—Peru.  
 doryphoroides C. Jeffrey in *Kew Bull.*, 41(4): 895 (1986)—Tanzania.  
 durangensis  
 var. atrapiculatus T.M. Barkley in *Phytologia*, 69(3): 146 (1990)—Mexico.  
 erucifolius  
 subsp. grandidentatus (Ledeb.) B. Nordenstam in *Fl. Iran.*, 164: 76 (1989): S. grandidentatus.  
 esleri C.J. Webb in *New Zealand J. Bot.*, 27(4): 565 (1989)—New Zealand.  
 exarachnoideus C. Jeffrey in *Kew Bull.*, 41(4): 896 (1986)—Tanzania.  
 flaccidus  
 var. douglasii (DC.) B.L. Turner & T.M. Barkley in *Phytologia*, 69(1): 52 (1990): S. douglasii.  
 var. durangensis (Greenm.) T.M. Barkley in *Phytologia*, 67(3): 237 (1989): S. durangensis.  
 var. monoensis (E. Greene) B.L. Turner & T.M. Barkley in *Phytologia*, 69(1): 54 (1990): S. monoensis.  
 fragrans Lehm., *Sem. Hort. Bot. Hamb.*, 1823: 14 (1824); *Linnaea* 3, Lit.: 8 (1828); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
 garlandii F. Muell. ex R.O. Belcher in *Muelleria*, 6(3–4): 173 (1986)—Australia (New South Wales).  
 gentryi (H. Robins. & Bret.) B.L. Turner & T.M. Barkley in *Phytologia*, 67(5): 392 (1989): *Roldana gentryi*.



## SENECIO :-

- germanicus  
 subsp. glabratus *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 119 (1987)*—Austria, Germany, Italy, Yugoslavia.  
 var. karaulensis (*Form.*) *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 115 (1987)*: *S. fuchsii* var. *karaulensis*.  
*gesnerifolius* *B.L. Turner in Phytologia, 62(1): 75 (1987)*—Mexico.  
*glaucophyllus*  
 subsp. *toa* *C.J. Webb in New Zealand J. Bot., 25(1): 148 (1987)*—New Zealand.  
*glaucus*  
 subsp. *hyblaeus* *S. Brullo in Boll. Accad. Gioenia Sci. Nat. Catania, 18(325): 279 (1985)*—Sicily.  
*gramineticola* *C. Jeffrey in Kew Bull., 41(4): 895 (1986)*—Tanzania, Malawi.  
*greenwayi* *C. Jeffrey in Kew Bull., 41(4): 903 (1986)*—Tanzania, Malawi.  
*gregatus* *O.M. Hilliard in Notes Roy. Bot. Gard. Edinburgh, 43(3): 352 (1986)*, nom. nov.: *S. serratuloides* var. *gracilis* *Harvey*.  
*grimesii* *B.L. Turner in Brittonia, 40(1): 81 (1988)*—Mexico.  
*guerrerensis* *T.M. Barkley in Phytologia, 69(3): 138 (1990)*—Mexico.  
*hauwai* *W.R. Sykes in New Zealand J. Bot., 25(4): 611 (1987 publ. 1988)*—New Zealand.  
*hedbergii* *C. Jeffrey in Kew Bull., 41(4): 899 (1986)*—Tanzania, Kenya.  
*helenitis*  
 var. *capcirenensis* *O. de Bolos & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988)*—Spain.  
 var. *ligulatus* (*Rouy*) *O. de Bolos & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988)*: *S. spathulifolius* var. *ligulata*.  
*hercynicus* *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 160 (1987)*—Germany, Belgium, France, Poland, Czechoslovakia, Hungary, Switzerland, Austria, Italy, Yugoslavia, Bulgaria, Greece.  
 subsp. *durmitorensis* *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 177 (1987)*—Yugoslavia.  
 var. *expansus* (*Boiss. & Heldr.*) *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 174 (1987)*: *S. jacquinianus* var. *expansus*.  
*hintonii* (*H. Robins. & Brettell*) *J. Pruski & T.M. Barkley in Phytologia, 67(3): 238 (1989)*: *Roldana hintonii*.  
*hyperborealis*  
 subsp. *wrangolica* *B.A. Yurtsev, A.A. Korobkov & V.V. Petrovskii in Arkhiv. Fl. SSSR, 10: 216 (1987)*—U.S.S.R. (Soviet Far East).  
*immixtus* *C. Jeffrey in Kew Bull., 41(4): 896 (1986)*—Tanzania.  
*iranicus* *B. Nordenstam in Fl. Iran., 164: 95 (1989)*—Iran.  
*jacobaea*  
 subsp. *dunensis* (*Dumort.*) *J.W. Kadereit & P.D. Sell in Watsonia, 16(1): 23 (1986)*: *S. dunensis*.  
*japonicus* *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 756 (1784)*—Japan.†  
*johnstonii*  
 subsp. *adnivalis* (*Stapf*) *C. Jeffrey in Kew Bull., 41(4): 889 (1986)*: *S. adnivalis*.  
 var. *adnivalis* (*Stapf*) *C. Jeffrey in Kew Bull., 41(4): 890 (1986)*: *S. adnivalis*.  
 var. *alticola* (*T.C.E. Fr.*) *C. Jeffrey in Kew Bull., 41(4): 890 (1986)*: *S. alticola*.  
 var. *battiscombei* (*R.E. & T.C.E. Fr.*) *C. Jeffrey in Kew Bull., 41(4): 891 (1986)*: *S. battiscombei*.  
 var. *cheranganiensis* (*Cotton & Blakel.*) *C. Jeffrey in Kew Bull., 41(4): 891 (1986)*: *S. cheranganiensis*.  
 var. *cottonii* (*Hutch. & Tayl.*) *C. Jeffrey in Kew Bull., 41(4): 889 (1986)*: *S. cottonii*.  
 var. *dalei* (*Cotton & Blakel.*) *C. Jeffrey in Kew Bull., 41(4): 891 (1986)*: *S. dalei*.  
 var. *elgonensis* (*T.C.E. Fr.*) *C. Jeffrey in Kew Bull., 41(4): 889 (1986)*: *S. elgonensis*.  
 var. *erici-rosenii* (*R.E. & T.C.E. Fr.*) *C. Jeffrey in Kew Bull., 41(4): 890 (1986)*: *S. erici-rosenii*.

## SENECIO :-

- var. *kilimanjari* (*Mildbr.*) *C. Jeffrey in Kew Bull., 41(4): 888 (1986)*: *S. kilimanjari*.  
 var. *ligulatus* (*Cotton & Blakel.*) *C. Jeffrey in Kew Bull., 41(4): 889 (1986)*: *S. gardneri* var. *ligulatus*.  
 var. *meruensis* (*Cotton & Blakel.*) *C. Jeffrey in Kew Bull., 41(4): 888 (1986)*: *S. meruensis*.  
*keniensis*  
 subsp. *brassiciformis* (*R.E. & T.C.E. Fr.*) *C. Jeffrey in Kew Bull., 41(4): 892 (1986)*—*S. brassiciformis*.  
*kingbishopii* *J. Cuatrecasas in Proc. Biol. Soc. Wash., 98(3): 625 (1985)*—Peru.  
*krascheninnikovii*  
 var. *albus* (*Ghosh & Bhattacharyya*) *B.S. Aswal & B.N. Mehrotra in Indian J. Forest., 13(1): 66 (15 April 1990)*: *S. pedunculatus* var. *albus*.  
 var. *albus* (*Ghose & Bhattacharyya*) *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan: 238 (March 1990)*: *S. pedunculatus* var. *albus*.  
*laderoi* *C. Pérez Morales, M.E. García Gonzalez & A. Penas Merino in Stud. Bot. (Salamanca), 8: 124 (1989 publ. 1990)*—Spain.  
 subsp. *cantabrica* *C. Pérez Morales, M.E. García Gonzalez & A. Penas Merino in Stud. Bot. (Salamanca), 8: 124 (1989 publ. 1990)*—Spain.  
*laetus*  
 var. *analogus* (*DC.*) *R. Mathur in R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.: 69 (1988)*, as '(Hook. f.)' & without ref. to true basionym: Basionym not stated.  
 var. *sisymbriiformis* (*DC.*) *R. Mathur in R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.: 69 (1988)*, as 'sisymbriiformis (Hook. f.)' & without ref. to true basionym: Basionym not stated.  
 var. *spectabilis* (*Hook. f.*) *R. Mathur in R.R. Rao et al., Fl. Ind. Enumerat. - Asterac.: 69 (1988)*: *S. chrysanthemoides* var. *spectabilis*.  
*lagascanus*  
 subsp. *lusitanicus* (*P. Cout.*) *A.R. Pinto da Silva, Fl. Voy. Portugal Link (Hist. Desensolv. Cienc. Portugal, 2): 955 (1987)*: *S. doronicum* subsp. *lusitanicus*.  
*lasiocaulon* *T.M. Barkley in Phytologia, 67(3): 240 (1989)*—Mexico.  
*letouzeyanus* *S. Lisowski in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 11(4): 453 (1989 publ. 1990)*—Zaire.  
*leucanthemifolius*  
 subsp. *rodriguezii* (*Willk. ex Rodr. Fem.*) *O. de Bolos & J. Vigo in Collect. Bot., 17(1): 91 (1987 publ. 1988)*: *S. rodriguezii*.  
*linifoliaster* *G. López González in An. Jard. Bot. Madrid, 42(2): 323 (1985 publ. 1986)*—Spain.  
*mabberleyi* *C. Jeffrey in Kew Bull., 41(4): 893 (1986)*—Tanzania.  
*mahindae* *G.L. Nesom & L.A. Vorobik in Sida, 13(1): 17 (1988)*—Mexico.  
*margaritae* *C. Jeffrey in Kew Bull., 41(4): 898 (1986)*—Kenya.  
*marotiri* *C.J. Webb in New Zealand J. Bot., 26(3): 482 (1988)*—New Zealand.  
*marquesii* *B.L. Turner in Brittonia, 40(1): 82 (1988)*—Mexico.  
*marquezii* *B.L. Turner in Brittonia, 40(1): 82 (1988)*, as 'marquesii'; see also *Brittonia*, 41(1): 43 (1989)—Mexico.†  
*megalanthus* *Y.L. Chen in Acta Phytotax. Sin., 26(1): 57 (1988)*—China.  
*metepecus* *B.L. Turner in Phytologia, 66(6): 465 (1989)*—Mexico.  
*meyeri-johannis*  
 subsp. *olomotiensis* *C. Jeffrey in Kew Bull., 41(4): 900 (1986)*—Tanzania.  
*michoacanus* (*B.L. Robins.*) *B.L. Turner & T.M. Barkley in Phytologia, 67(5): 392 (1989)*: *Cacalia michoacana*.  
*microalatus* *C. Jeffrey in Kew Bull., 41(4): 894 (1986)*—Tanzania.  
*mooreioides* *C. Jeffrey in Kew Bull., 41(4): 899 (1986)*—Tanzania.  
*morotonensis* *C. Jeffrey in Kew Bull., 41(4): 898 (1986)*—Uganda.  
*multidentatus*  
 var. *huachucanus* (*A. Gray*) *T.M. Barkley in Phytologia, 67(3): 238 (1989)*: *S. huachucanus*.

## SENECIO :-

- namnaensis* *H. Koyama in Acta Phytotax. Geobot., 39(4-6): 156 (1988)*—Thailand.  
*navugabensis* *C. Jeffrey in Kew Bull., 41(4): 901 (1986)*—Uganda.  
*nesomiorum* *B.L. Turner in Phytologia, 66(6): 467 (1989)*—Mexico.  
*octobracteatus* *B.L. Turner & T.M. Barkley in Phytologia, 67(5): 392 (1989)*, nom. nov.: *Roldana pennellii* *H. Robins. & Bret.*  
 var. *durangensis* (*H. Robins. & Bret.*) *B.L. Turner in Phytologia, 67(5): 392 (1989)*: *Roldana pennellii* var. *durangensis*.  
*ovatus*  
 subsp. *alpestris* (*Gaudin*) *J. Herborg, Variabilität u. Sippenabgrenz. Senecio nemorensis-Gruppe europ. Teil. (Diss. Bot. 107): 143 (1987)*: *S. alpestris*.  
*paneroi* *B.L. Turner in Phytologia, 67(6): 454 (1989)*—Mexico.  
*pattersonii* *B.L. Turner in Phytologia, 65(5): 373 (1988)*—Mexico.  
*paulsenii*  
 subsp. *khorsanicus* (*Rech. f. & Aell.*) *B. Nordenstam in Fl. Iran., 164: 68 (1989)*: *S. khorsanicus*.  
*pedunculatus*  
 var. *albus* *B. Ghosh & U.C. Bhattacharyya in J. Econ. Taxon. Bot., 10(2): 311 (1987 publ. 1988)*—India.  
*plantagineoides* *C. Jeffrey in Kew Bull., 41(4): 898 (1986)*—Kenya.  
*porphyresthes* *T.M. Barkley in Phytologia, 67(3): 243 (1989)*—Mexico.  
*praecox*  
 var. *tzimolensis* *T.M. Barkley in Phytologia, 69(3): 142 (1990)*—Mexico.  
*pseudopicrodis* *T.M. Barkley in Phytologia, 67(3): 244 (1989)*—Mexico.  
*pseudosubsessilis* *C. Jeffrey in Kew Bull., 41(4): 894 (1986)*—Kenya.  
*radiolatus*  
 subsp. *antipodus* (*Kirk*) *C.J. Webb in New Zealand J. Bot., 25(1): 148 (1987)*: *S. antipodus*.  
*richardsonii* *B.L. Turner in Phytologia, 60(3): 157 (1986)*—Mexico.  
*scalaris*  
 var. *carmenensis* *C.C. Freeman in Phytologia, 67(3): 249 (1989)*—Mexico.  
 var. *parrasianus* (*Greenm.*) *C.C. Freeman in Phytologia, 67(3): 238 (1989)*: *S. parrasianus*.  
*sororici* *C. Jeffrey in Kew Bull., 41(4): 895 (1986)*—Tanzania.  
*spartioides*  
 var. *multicapitatus* (*Greenm. ex Rydb.*) *S.L. Welsh in Great Basin Nat., 43(2): 337 (1983)*: *S. multicapitatus*.  
*spellenbergii* *T.M. Barkley in Phytologia, 67(3): 248 (1989)*—U.S.A. (New Mexico).  
*streptanthifolius*  
 var. *borealis* (*T. & G.*) *J.F. Bain in Rhodora, 90(863): 293 (1988)*: *S. aureus* var. *borealis*.  
 var. *kluaneii* *J.F. Bain in Rhodora, 90(863): 297 (1988)*—Canada (Yukon, British Columbia).  
 var. *lactiflorus* (*Greene*) *J.F. Bain in Rhodora, 90(863): 302 (1988)*, without basionym ref.: *S. lactiflorus*.  
 var. *oodes* (*Rydb.*) *J.F. Bain in Rhodora, 90(863): 308 (1988)*: *S. oodes*.  
 var. *rubricaulis* (*Greene*) *J.F. Bain in Rhodora, 90(863): 299 (1988)*: *S. rubricaulis*.  
 var. *wallowensis* *J.F. Bain in Rhodora, 90(863): 306 (1988)*—U.S.A. (Oregon, Nevada, Washington).  
*subcymosus* (*H. Robins.*) *B.L. Turner & T.M. Barkley in Phytologia, 67(5): 392 (1989)*: *Roldana subcymosa*.  
*subfractiflexus* *C. Jeffrey in Kew Bull., 41(4): 894 (1986)*—Tanzania.  
*tapianus* *B.L. Turner in Phytologia, 67(5): 387 (1989)*—Mexico.  
*transmarinus*  
 var. *major* *C. Jeffrey in Kew Bull., 41(4): 902 (1986)*—Uganda.  
 var. *virungae* *C. Jeffrey in Kew Bull., 41(4): 903 (1986)*—Uganda, Zaire.  
*tundricola*  
 subsp. *lindstroemii* (*Ostenf.*) *A.A. Korobkov in Arkhiv. Fl. SSSR, 10: 223 (1987)*: *S. integrifolius* var. *lindstroemii*.

**SENECIO** :-

- venturiae *T.M. Barkley in Phytologia*, 69(3): 140 (1990)—Mexico.  
volcanicola *C. Jeffrey in Kew Bull.*, 41(4): 893 (1986)—Tanzania.

**SENEFELDERA** (Euphorbiac.).

- yutajensis (*Jabl.*) *G. Webster in Ann. Missouri Bot. Gard.*, 76(4): 958 (1989): *Sapium yutajense*.

**SENEGALIA** (Legumin.).

- sect. Filicinae (*Benth.*) *L. Pedley in Bot. J. Linn. Soc.*, 92(3): 238 (1986): *Acacia* ser. Filicinae.  
albizioides (*Pedley*) *L. Pedley in Bot. J. Linn. Soc.*, 92(3): 250 (1985): *Acacia albizioides*.  
angustissima (*Miller*) *L. Pedley in Bot. J. Linn. Soc.*, 92(3): 238 (1986): *Mimosa angustissima*.  
ferruginea (*DC.*) *L. Pedley in Bot. J. Linn. Soc.*, 92(3): 250 (1986): *Acacia ferruginea*.

**SENNA** (Legumin.).

- ser. Interglandulosae (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 193 (1989): *Cassia* ser. Interglandulosae.  
ser. Oligocladae *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 253 (1989).  
ser. Subverrucosae (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 208 (1989): *Cassia* ser. Subverrucosae.  
acclinis (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 200 (1989): *Cassia acclinis*.  
aciphylla (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 204 (1989): *Cassia aciphylla*.  
acuta (*Meyen ex Vogel*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 25 (1983–85 publ. 1986): *Cassia acuta*.  
alcaparra (*Phil.*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 25 (1983–85 publ. 1986): *Cassia alcaparra*.  
alexandrina  
var. obtusata (*Brenan*) *J.M. Lock in Kew Bull.*, 43(2): 338 (1988): *Cassia senna* var. obtusata.  
aphylla  
subsp. divaricata (*Hieronymus*) *L.D. Bravo in Brittonia*, 38(3): 270 (1986): *Cassia aphylla* var. divaricata.  
appendiculata (*Vogel*) *J.H. Wiersema in Taxon*, 38(4): 652 (1989): *Cassia appendiculata*.  
artemisioides (*DC.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 220 (1989): *Cassia artemisioides*.  
subsp. alicia *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 234 (1989)—Australia (N. Terr., Queensland, New South Wales, S. Australia).  
subsp. circinnata (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 231 (1989): *Cassia circinnata*.  
nothosubsp. coriacea (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 231 (1989): *Cassia sturtii* var. coriacea.  
subsp. filifolia *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 227 (1989)—Australia (N. Terr., W. Australia, Queensland, New South Wales, Victoria, S. Australia).  
subsp. glaucifolia *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 240 (1989)—Australia (W. Australia, N. Terr.).  
subsp. hamersleyensis (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 244 (1989): *Cassia hamersleyensis*.  
subsp. helmsii (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 236 (1989): *Cassia helmsii*.  
subsp. oligophylla (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 235 (1989): *Cassia oligophylla*.  
subsp. petiolaris *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 229 (1989)—Australia (N. Terr., Queensland, New South Wales, Victoria, S. Australia, W. Australia).  
subsp. quadrifolia *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 239 (1989)—Australia (S. Australia, N. Terr., Queensland, New South Wales).  
subsp. stricta *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 227 (1989)—Australia (W. Australia).  
nothosubsp. sturtii (*R.Br.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 238 (1989): *Cassia sturtii*.

**SENNA** :-

- subsp. symonii *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 243 (1989)—Australia (W. Australia).  
subsp. zygophylla (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 233 (1989) *Cassia zygophylla*.  
baccarinii (*Chiov.*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia baccarinii*.  
barclayana (*Sweet*) *B.R. Randell in J. Adelaide Bot. Gard.*, 11(1): 34 (1988): *Cassia barclayana*.  
cardiosperma (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 244 (1989): *Cassia cardiosperma*.  
subsp. cuthbertsonii (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 249 (1989): *Cassia cuthbertsonii*.  
subsp. flexuosa *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 249 (1989)—Australia (W. Australia).  
subsp. gawlerensis *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 250 (1989)—Australia (S. Australia).  
subsp. manicula (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 253 (1989): *Cassia manicula*.  
subsp. microphylla *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 252 (1989)—Australia (S. Australia, N. Terr.).  
subsp. pilocarina (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 247 (1989): *Cassia pilocarina*.  
subsp. stowardii (*S. Moore*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 251 (1989): *Cassia stowardii*.  
cladophylla (*W. Fitzg.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 265 (1989): *Cassia cladophylla*.  
clavigera (*Domin*) *B.R. Randell in J. Adelaide Bot. Gard.*, 11(1): 39 (1988): *Cassia sophora* var. clavigera.  
coquimbensis (*Vogel*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 26 (1983–85 publ. 1986): *Cassia coquimbensis*.  
coronilloides (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 205 (1989): *Cassia coronilloides*.  
costata (*J.F. Bailey & C. White*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 206 (1989): *Cassia costata*.  
curvistyla (*J. Black*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 263 (1989): *Cassia curvistyla*.  
divaricata (*Nees & Bl.*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia divaricata*.  
ellisiae (*Brenan*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia ellisiae*.  
foliosa (*Phil.*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 21 (1983–85 publ. 1986): *Cassia foliosa*.  
galegifolia (*L.*) *R. Barneby & A. Lourteig in Phytologia*, 65(5): 400 (1988): *Cassia galegifolia*.  
glanduligera (*St. John*) *A.C. Smith in Fl. Vitiensis Nova*, 3: 108 (1985): *Cassia glanduligera*.  
glutinosa (*DC.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 209 (1989): *Cassia glutinosa*.  
subsp. charlesiana (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 217 (1989): *Cassia charlesiana*.  
subsp. chatelainiana (*Gaudich.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 213 (1989): *Cassia chatelainiana*.  
subsp. ferraria (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 219 (1989): *Cassia ferraria*.  
nothosubsp. luerseii (*Domin*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 214 (1989): *Cassia luerseii*.  
subsp. pruinosa (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 216 (1989): *Cassia pruinosa*.  
goniodes (*A. Cunn. ex Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 257 (1989): *Cassia goniodes*.  
gossweileri (*Baker f.*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia gossweileri*.  
hebecarpa  
var. longipila (*E.L. Braun*) *C.F. Reed in Phytologia*, 63(5): 411 (1987): *Cassia hebecarpa* var. longipila.  
heptanthera (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 260 (1989): *Cassia heptanthera*.

**SENNA** :-

- holosericea (*Fresen.*) *W. Greuter in Willdenowia*, 15(2): 429 (1986): *Cassia holosericea*.  
huidobriana (*Phil.*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 23 (1983–85 publ. 1986): *Cassia huidobriana*.  
humifusa (*Brenan*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia humifusa*.  
italica  
subsp. arachoides (*Burchell*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia italica* subsp. arachoides.  
subsp. micrantha (*Brenan*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia italica* subsp. micrantha.  
leptoclada (*Benth.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 258 (1989): *Cassia leptoclada*.  
longiracemosa (*Vatke*) *J.M. Lock in Kew Bull.*, 43(2): 339 (1988): *Cassia longiracemosa*.  
magnifolia (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 8 (1990): *Cassia magnifolia*.  
notabilis (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 6 (1990): *Cassia notabilis*.  
odorata (*Morris*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 202 (1989): *Cassia odorata*.  
oligoclada (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 254 (1989): *Cassia oligoclada*.  
paposana (*Phil.*) *O. Zoellner & C. San Martín in An. Mus. Hist. Nat. Valparaíso*, 16: 23 (1983–85 publ. 1986): *Cassia paposana*.  
petersiana (*Bolle*) *J.M. Lock in Kew Bull.*, 43(2): 340 (1988): *Cassia petersiana*.  
planitiicola (*Domin*) *B.R. Randell in J. Adelaide Bot. Gard.*, 11(1): 36 (1988): *Cassia planitiicola*.  
pleurocarpa (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 3 (1990): *Cassia pleurocarpa*.  
var. angustifolia (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 5 (1990): *Cassia pleurocarpa* var. angustifolia.  
var. longifolia (*Symon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 5 (1990): *Cassia pleurocarpa* var. longifolia.  
podocarpa (*Guillemin & Perrottet*) *J.M. Lock in Kew Bull.*, 43(2): 340 (1988): *Cassia podocarpa*.  
procumbens *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 260 (1989)—Australia (N. Terr.).  
rigida  
var. inermis (*Bravo*) *L.D. Bravo in Brittonia*, 38(3): 270 (1986): *Cassia rigida* var. inermis.  
ruspolii (*Chiov.*) *J.M. Lock in Kew Bull.*, 43(2): 340 (1988): *Cassia ruspolii*.  
singueana (*Del.*) *J.M. Lock in Kew Bull.*, 43(2): 340 (1988): *Cassia singueana*.  
socotrana (*Serr.-Val.*) *J.M. Lock in Kew Bull.*, 43(2): 340 (1988): *Cassia socotrana*.  
surattensis  
subsp. retusa (*J. Vogel*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 198 (1989): *Cassia retusa*.  
subsp. sulfurea (*Colladon*) *B.R. Randell in J. Adelaide Bot. Gard.*, 12(2): 197 (1989): *Cassia sulfurea*.  
truncata (*Brenan*) *J.M. Lock in Kew Bull.*, 43(2): 341 (1988): *Cassia truncata*.  
tuhovalyana (*Aké Assi*) *J.M. Lock in Kew Bull.*, 43(2): 341 (1988): *Cassia tuhovalyana*.  
venusta (*F. Muell.*) *B.R. Randell in J. Adelaide Bot. Gard.*, 13: 8 (1990): *Cassia venusta*.

**SERAPIAS** (Orchidac.).

- nothosubsect. Asmed *H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 743 (1989). (S. subsect. Mediopetalae × sect. Serapias).  
nothosubsect. Aspla *H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 742 (1989). (S. subsect. Platypetalae × sect. Serapias).  
nothosubsect. Assteno *H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 743 (1989). (S. sect. Serapias × subsect. Stenopetalae).  
subsect. Mediopetalae *H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 741 (1989).  
nothosubsect. Menopetalae *H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg*, 21(3): 742 (1989). (S. subsect. Mediopetalae × subsect. Stenopetalae).

**SERAPIAS** :-

- nothosubsect. Pladiopetalae* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 742 (1989). (S. subsect. Mediopetalae × subsect. Platypetalae).
- nothosubsect. Planopetalae* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 742 (1989). (S. subsect. Platypetalae × subsect. Stenopetalae).
- subsect. Platypetalae* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 741 (1989).
- nothosect. Serapiaria* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 741 (1989). (S. sect. Bilamellaria × sect. Serapias).
- subsect. Stenopetalae* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 741 (1989).
- cycladum* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 755 (1989)—Greece.
- × *cypria* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 812 (1989)—Cyprus. (S. bergonii × levantina).
- erecta* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 816 (1784)—Japan.†
- × *euxina* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 810 (1989)—Turkey. (S. bergonii × feldwegiana).
- falcata* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 816 (1784)—Japan.†
- feldwegiana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 763, 760 (1989)—Turkey.
- × *garganica* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 831 (1989)—Italy. (S. orientalis × vomeracea).
- gracilis* C.A.J. Kreutz in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(1): 116 (1989)—Spain, Portugal.
- ionica* (E. Nelson) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(3): 625 (1988), as 'sp. nov.': S. neglecta subsp. ionica.
- levantina* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 766 (1989)—Israel, Syria, Lebanon, Turkey.
- lingua*
- var. flavesces* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 280 (1986)—France.
- var. rubescens* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 280 (1986)—France.
- subsp. veneris* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 279 (1986)—France.
- lorenziana* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 775, 770 (1989)—Morocco.
- nurrica*
- f. chlorantha* A. Scrugli & M.P. Grasso in Inform. Bot. Ital., 17(1-3): 110 (1985 publ. 1986)—Sardinia.
- orientalis* (Greuter) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 20(3): 636 (1988); S. vomeracea subsp. orientalis.
- subsp. apulica* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 779 (1989)—Italy.
- subsp. carica* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 782 (1989)—Turkey, Rhodes, East Aegean Is.
- × *oulesiac* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 821 (1989)—Morocco. (S. lingua × lorenziana).
- perez-chiscanoi* C. Acedo in An. Jard. Bot. Madrid, 47(2): 510 (1989 publ. 1990), nom. nov.: S. viridis Pérez Chiscano.
- × *provincialis* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 819 (1989)—France. (S. cordigera × olbia).
- vomeracea*
- var. cordigeroides* (Nelson) N.R. & A.K. Campbell in Willdenowia, 16(1): 54 (1986); S. orientalis var. cordigeroides.
- subsp. flava* M. Balayer in Bull. Soc. Bot. France, Lett. Bot., 133(3): 280 (1986)—France.

**SERAPIAS** :-

- subsp. longipetala* (Ten.) H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 796 (1989); Helleborine longipetala.
- × *wettsteinii*
- nothosubsp. halicarnassia* H. Baumann & S. Künkele in Mitt. Arbeitskr. Heim. Orch. Baden-Württemberg, 21(3): 815 (1989)—Turkey. (S. bergonii × orientalis subsp. carica).

**SERENOA** (Palmae).

- repens* (Bartram) J.K. Small in J. New York Bot. Gard., 27(321): 193, 197 (1926); Corypha repens.

**SERIPHIDIUM** (Compos.).

- ser. Compacta* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 121 (1988); Artemisia ser. Compactae.
- sect. Junceae* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 122 (1988); Artemisia sect. Juncum.
- sect. Minchunensa* Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 122 (1988).
- ser. Pauciflora* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 118 (1988); Artemisia ser. Pauciflorae.
- ser. Santolina* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 119 (1988); Artemisia ser. Santolinae.
- ser. Sublessingiana* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 119 (1988); Artemisia ser. Sublessingianae.
- ser. Valida* (Poljak.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 117 (1988); Artemisia ser. Validae.
- barrelieri* (Bess.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia barrelieri.
- borotalense* (Poljak.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 120 (1988); Artemisia borotalensis.
- caerulescens* (L.) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia caerulescens.
- subsp. gallicum* (Willd.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia gallica.
- dzevanovskyi* (Leonova) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia dzevanovskyi.
- grenardii* (Franch.) Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 121 (1988); Artemisia grenardii.
- heptapotamicum* (Poljak.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 119 (1988); Artemisia heptapotamica.
- herba-alba* (Asso) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia herba-alba.
- juncum*
- var. macrosciadium* (Poljak.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 123 (1988); A. macrosciadia.
- karatavicum* (Krasch. & Abol. ex Poljak.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 115 (1988); Artemisia karatavica.
- kaschgaricum*
- var. dshungaricum* (Filat.) Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 116 (1988); Artemisia kaschgarica var. dshungarica.
- mongolorum* (Krasch.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 115 (1988); Artemisia mongolorum.
- nitrosum*
- var. gobicum* (Krasch.) Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 114 (1988); Artemisia nitrosa var. gobica.
- nutans* (Willd.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia nutans.
- santonium* (L.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia santonica.
- subsp. patens* (Neil.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia maritima β var. patens.
- sawanense* Y.R. Ling & C.J. Humphries in Bull. Bot. Res. North-East. Forest. Inst., 10(1): 49 (1990)—Xinjiang.
- semiaridum* (Krasch. & Lavr.) Ling & Y.R. Ling in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 118 (1988); Artemisia terrae-albae subsp. semiarida.

**SERIPHIDIUM** :-

- vallesiaca* (All.) J. Soják in Cas. Nár. Muz. (Prague), 152(1): 22 (1983); Artemisia vallesiaca.

**SERJANIA** (Sapindac.).

- bahiana* M.S. Ferrucci in Bol. Soc. Argent. Bot., 24(1-2): 107 (1985)—Brazil.
- bradeana* G.V. Somner in Bradea, 5(6): 69 (1988)—Brazil.
- caratae* G.V. Somner in Bradea, 5(6): 65 (1988)—Brazil.
- coradinii* M.S. Ferrucci & G. Vieira Somner in Bonplandia, 6(3): 166 (1989)—Brazil.
- espiritossantensis* G.V. Somner in Bradea, 5(6): 70 (1988)—Brazil.
- fluminensis* P. Acevedo-Rodríguez in Brittonia, 39(3): 348 (1987)—Brazil.
- grazielae* G.V. Somner in Bradea, 5(6): 63 (1988)—Brazil.
- itaiensis* G.V. Somner in Bradea, 5(6): 64 (1988)—Brazil.
- magnistipulata* P. Acevedo-Rodríguez in Brittonia, 40(3): 283 (1988)—Brazil.
- morii* P. Acevedo-Rodríguez in Brittonia, 40(3): 285 (1988)—Brazil.
- schunkei* P. Acevedo-Rodríguez in Brittonia, 40(3): 288 (1988)—Peru.
- unidentata* P. Acevedo-Rodríguez in Brittonia, 39(3): 350 (1987)—Brazil.

**SERRATULA** (Compos.).

- bactica*
- f. sampaiana* P. Cantó in Lazaroa, 6: 52 (1984 publ. 1985)—Portugal.
- flavesces*
- var. neglecta* (Iljin) P. Cantó in Lazaroa, 6: 73 (1984 publ. 1985); S. neglecta.
- hakkariaca* P.H. Davis in Fl. Turkey & E. Aegean Is., 10: 235, 166 (1988)—Turkey.
- japonica* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 723 (1784)—Japan.†
- monardii*
- f. abulensis* (Pau) P. Cantó in Lazaroa, 6: 56 (1984 publ. 1985); S. abulensis.
- var. algarbiensis* P. Cantó in Lazaroa, 6: 60 (1984 publ. 1985)—Portugal.
- pulchella* Fisch. ex Hornem., Hort. Hafn.: 775 (1815); cf. D.J. Mabberley in Taxon, 33(3): 437 (1984)—Locality not stated.
- sogdiana* A. Bunge, Beitr. Fl. Russl.: 191 (1852)—U.S.S.R. (Middle Asia).†

**SERRURIA** (Proteac.).

- deluvialis* J.P. Rourke in S. Afr. J. Bot., 56(4): 500 (1990)—South Africa (Cape Province).
- effusa* J.P. Rourke in S. Afr. J. Bot., 56(4): 500 (1990)—South Africa (Cape Province).
- reflexa* J.P. Rourke in S. Afr. J. Bot., 56(4): 497 (1990)—South Africa (Cape Province).
- viridifolia* J.P. Rourke in S. Afr. J. Bot., 56(4): 502 (1990)—South Africa (Cape Province).

**SESAMOIDEES** (Resedac.).

- clusii* (Sprengel) W. Greuter & Burdet in Willdenowia, 19(1): 47 (1989); Reseda clusii.
- purpurascens* (L.) G. López González in An. Jard. Bot. Madrid, 42(2): 321 (1985 publ. 1986); Reseda purpurascens.
- var. alpina* (Müller Arg.) S. Pajarón-Sotomayor in Acta Bot. Malacitana, 14: 274 (1989); *Astrocarpus sesamoides* var. alpinus.
- subsp. spathulata* (Moris) J. Lambinon & M. Kerguelen in Candollea, 43(1): 405 (1988); Reseda sesamoides β spathulata.

**SESAMUM** (Pedaliac.).

- calycinum*
- subsp. baumii* (Stapf) Seidenst. ex H.-D. Ihlenfeldt in Fl. Zambes., 8(3): 100 (1988); S. baumii.
- subsp. pseudoangolense* Seidenst. ex H.-D. Ihlenfeldt in Fl. Zambes., 8(3): 100 (1988)—Zimbabwe.
- subsp. repens* (Engler & Gilg) U. Grabow-Seidensticker in Mitt. Inst. Allg. Bot. Hamburg, 22: 232 (1988); S. repens.
- parviflorum* U. Grabow-Seidensticker in Mitt. Inst. Allg. Bot. Hamburg, 22: 232 (1988)—Zaire.

**SESBANIA** (Legumin.).

## coccinea

- subsp. atollensis* (St. John) M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 22 (1987): S. atollensis.
- var. atollensis* (St. John) M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 22 (1987): S. atollensis.
- var. marchionica* (F. Brown) M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 23 (1987): S. marchionica.
- var. parkinsonii* M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 24 (1987)—Society Is.
- var. quaylei* M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 23 (1987)—Marquesas Is.
- var. tuamotensis* (F. Brown) M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 24 (1987): S. speciosa var. tuamotensis.
- herbacea (Mill.) R. McVaugh, Fl. Novo-Galiciana, 5: 695 (1987): Emerus herbacea.

## leptocarpa

- var. minimiflora* (Gillett) G.P. Lewis in Kirkia, 13(1): 39 (1988 publ. 1989): S. mossambicensis subsp. minimiflora.
- mannii* M.-H. Sachet in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(1): 13 (1987)—Hawaiian Is.
- tetraptera
- subsp. rogersii* (Phill. & Hutch.) G.P. Lewis in Kirkia, 13(1): 50 (1988 publ. 1989): S. rogersii.

**SESELI** (Umbellif.).

- acaulis* (Shan & Sheh) V.M. Vinogradova in Novosti Sist. Vyssh. Rast., 26: 124 (1989): Libanotis acaulis.
- alaicum* M.G. Pimenov in Byull. Mosk. Obshch. Ispyt. Prir., Biol., 95(1): 102 (1990)—U.S.S.R. (Middle Asia).
- depressa* (Shan & Sheh) V.M. Vinogradova in Novosti Sist. Vyssh. Rast., 26: 124 (1989): Libanotis depressa.
- elatum
- subsp. farrenyi* (Molero & Pujadas) O. de Bolos & J. Vigo, Fl. Paisos Catalans, 2: 425 (1990): S. farrenyi.
- incisodentatum* K.T. Fu in Fl. Tsinlingensis, 1(3): 459, 412 (1981), as 'inciso-dentatum'—China.
- libanotis
- f. glabrum* (Duvigneaud) C. Benedi & J. Molero in Bol. Soc. Brot., 59: 61 (1986): Libanotis pyrenaica f. glabra.
- peucedanifolium* Trev., Ind. Sem. Wratislav., App. II: 3 (1820); cf. D.J. Mabberley in Taxon, 31(1): 72 (1982)—Locality not stated.
- ramosissimum* P. Hartvig & A. Strid in Bot. Jahrb., 108(2-3): 305 (1987)—Turkey.
- sclerophyllum* E.P. Korovin in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 3(60): 7 (1975)—U.S.S.R. (Middle Asia).
- subaphyllum* E.P. Korovin in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 3(60): 6 (1975)—U.S.S.R. (Middle Asia).

**SESLERIA** (Gramin.).

## argentea

- subsp. gomarica* (Font Quer) Á.M. Romo in Fontqueria, 14: 12 (1987): S. argentea var. gomarica.
- pedemontana* (Reuter) Steudel, Syn. Pl. Glum., 1: 296 (1854): Oreochloa pedemontana.

**SETARIA** (Gramin.).

- sect. Chondrachne* T. Koyama, Grasses of Japan & Neighbour. Regions: 320 (1987).
- adhaerens
- var. ambigua* (Guss.) A.L. Belo-Correia in Rev. Biol., 13(1-4): 135 (1986-1987 publ. 1987), without basionym ref.; et in Bol. Soc. Brot., 62: 290 (1989): Panicum verticillatum var. ambiguum.
- subsp. verticillata* (L.) A.L. Belo-Correia in Rev. Biol., 13(1-4): 135 (1986-1987 publ. 1987), without basionym ref.; et in Bol. Soc. Brot., 62: 289 (1989): Panicum verticillatum.
- decipiens* C. Schimper ex P. Ascherson, Fl. Brandenburg, 1: 809 (1864)—Locality not stated.
- hunzikeri* A.M. Anton in Kurtziana, 17: 139 (1984)—Argentina.

**SETARIA** :-

## italica

- subsp. colchica* I.I. Maisaya & A.D. Gorgidze in Soobshch. Akad. Nauk Gruz. SSR, 119(3): 589 (1985), without type—? U.S.S.R. (Caucasus).
- nana* (Dumort.) B.D. Jackson in Index Kewensis, 2: 893 (1753-1885 publ. 1895): S. viridis \* (subsp.) nana.
- palmifolia
- var. blepharoneuron* (Anderss.) J.F. Veldkamp in Floribunda, 1(6): 22 (1988): Panicum neurodes var. blepharoneuron.
- paraguayensis* J.F. Pensiero in Candollea, 41(2): 469 (1986)—Paraguay.
- parviflora* (Poir.) M. Kerguelen in Lejeunia, 120: 161 (1987): Cenchrus parviflorus.
- verticillata
- f. ambigua* (Gussone) T. Koyama, Grasses of Japan & Neighbour. Regions: 529 (1987): Panicum verticillatum var. ambiguum.
- viridis
- subsp. glareosa* (V. Petrov) G.A. Peshkova in Fl. Sibir. (Poaceae), 2: 241 (1990): S. glareosa.
- subsp. minor* (Thunberg) T. Koyama, Grasses of Japan & Neighbour. Regions: 529 (1987): Panicum verticillatum var.  $\beta$ . minor.
- subsp. purpurascens* (Maxim.) G.A. Peshkova in Fl. Sibir. (Poaceae), 2: 241 (1990): S. viridis var. purpurascens.

- SETIACIS** S.L. Chen & Y.X. Jin in Acta Phytotax. Sin., 26(3): 217 (1988). GRAMINEAE.
- diffusa* (Chia) S.L. Chen & Y.X. Jin in Acta Phytotax. Sin., 26(3): 219 (1988): Acroceras diffusum.

- SETIDENMOZA** C. Backeberg, Die Cactaceae, 2: 991 (1959). CACTACEAE. (Denmoza  $\times$  Seticereus).

- SEYMERICOPSIS** N.N. Tsvelev in Bot. Zhurn., 72(12): 1662 (1987). SCROPHULARIACEAE.
- bissei* N.N. Tsvelev in Bot. Zhurn., 72(12): 1662 (1987)—Cuba.

**SHERARDIA** (Rubiace.).

## arvensis

- subsp. maritima* (Griseb.) J. Soják in Čas. Nár. Muz. (Prague), 152(1): 22 (1983): S. arvensis var. maritima.

**SHIBATAEA** (Gramin.).

## chinensis

- f. aureostriata* (Regel) C.H. Hu in Acta Phytotax. Sin., 26(2): 136 (1988): Bambusa aureo-striata.
- fujianica* Z.D. Zhu & H.Y. Zhou ex C.H. Hu, Q.F. Zheng & K.F. Huang in Acta Phytotax. Sin., 26(2): 134 (1988)—China.
- lanceifolia
- f. smaragdina* C.H. Hu in Acta Phytotax. Sin., 26(2): 134 (1988)—China.
- nanpingensis* Q.F. Zheng & K.F. Huang in Acta Phytotax. Sin., 26(2): 135 (1988)—China.
- tumidinoda* T.H. Wen in J. Bamboo Res., 7(1): 23 (1988)—China.

**SHUTERIA** (Legumin.).

## involucrata

- var. vestita* (Wight & Arn.) H. Ohashi in J. Jap. Bot., 63(4): 160 (1988): S. vestita.
- f. vestita* (Wight & Arn.) H. Ohashi in J. Jap. Bot., 63(4): 160 (1988): S. vestita.

- SIAMOSIA** K. Larsen & T. Myndel Pedersen in Nordic J. Bot., 7(3): 271 (1987). AMARANTHACEAE.
- thailandica* K. Larsen & T. Myndel Pedersen in Nordic J. Bot., 7(3): 271 (1987)—Thailand.

**SIBBALDIA** (Rosac.).

## purpurea

- var. pentaphylla* (J. Krause) B.K. Dixit in Bull. Bot. Soc. Bengal, 38(1-2): 39 (1984 publ. 1987): S. pentaphylla.

- SICCOBACCATUS** P.J. Braun & E. Esteves Pereira in Succulenta, 69(1): 6 (1990). CACTACEAE.
- dolichospermaticus* (Buining & Brederoo) P.J. Braun & E. Esteves Pereira in Succulenta, 69(1): 7 (1990): Austrocephalocereus dolichospermaticus.

**SICCOBACCATUS** :-

- estesvii* (Buining & Brederoo) P.J. Braun & E. Esteves Pereira in Succulenta, 69(1): 7 (1990): Austrocephalocereus estesvii.
- subsp. grandiflorus* (Diers & Esteves) P.J. Braun & E. Esteves Pereira in Succulenta, 69(1): 7 (1990): Austrocephalocereus estesvii subsp. grandiflorus.
- subsp. insigniflorus* (Diers & Esteves) P.J. Braun & E. Esteves Pereira in Succulenta, 69(1): 7 (1990): Austrocephalocereus estesvii subsp. insigniflorus.

**SICYOCARYA** (Cucurbitac.).

- atrimaculata* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- beccifer* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- cruralis* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- hawaiiensis* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- kaalaensis* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- kaenaensis* H. St. John in Phytologia, 64(1): 51 (1987)—Hawaiian Is.
- kalalaensis* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- kauaiensis* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- kilaueaensis* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- kipahuluensis* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- kokocrateris* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- konaensis* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- lanceoloidea* H. St. John in Phytologia, 64(1): 52 (1987)—Hawaiian Is.
- lebishopii* H. St. John in Phytologia, 64(1): 53 (1987)—Hawaiian Is.
- mauiensis* H. St. John in Phytologia, 64(1): 53 (1987)—Hawaiian Is.
- molokaiensis* H. St. John in Phytologia, 64(1): 53 (1987)—Hawaiian Is.
- obatae* H. St. John in Phytologia, 64(1): 53 (1987)—Hawaiian Is.
- paucifrugalis* H. St. John in Phytologia, 64(1): 53 (1987)—Hawaiian Is.
- protrusa* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.
- puberula* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.
- rockii* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.
- rostrata* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.
- saluaria* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.
- umbellata* H. St. John in Phytologia, 64(1): 54 (1987)—Hawaiian Is.

**SICYOS** (Cucurbitac.).

- alba* (H. St. John) I.R.H. Telford in Phytologia, 67(3): 210 (1989): Sarx alba.
- anunu* (H. St. John) I.R.H. Telford in Phytologia, 67(3): 211 (1989): S. hillebrandii var. anunu.
- erotratus* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- var. herbstii* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- var. kealiaensis* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- var. paucipilosus* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- herbstii* (H. St. John) I.R.H. Telford in Phytologia, 67(3): 210 (1989): Cladocarpa herbstii.
- hillebrandii*
- var. anunu* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- var. douglasii* H. St. John in Phytologia, 63(3): 187 (1987)—Hawaiian Is.
- var. lanaiensis* H. St. John in Phytologia, 63(3): 188 (1987)—Hawaiian Is.
- microcarpus*
- var. ewaensis* H. St. John in Phytologia, 63(3): 190 (1987)—Hawaiian Is.



**SICYOS** :-

- var. forbesii* H. St. John in *Phytologia*, 63(3): 188 (1987)—Hawaiian Is.  
*var. haleakalaensis* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*var. kalaupapaensis* H. St. John in *Phytologia*, 63(3): 188 (1987)—Hawaiian Is.  
*var. kamaoensis* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*subsp. kanepuensis* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*var. kauensis* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*var. kealiaensis* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*var. kilauaeensis* H. St. John in *Phytologia*, 63(3): 188 (1987)—Hawaiian Is.  
*var. koeleensis* H. St. John in *Phytologia*, 63(3): 190 (1987)—Hawaiian Is.  
*var. koloaensis* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*subsp. lanaiensis* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*var. lanaiensis* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*subsp. laysanensis* (St. John) H. St. John in *Phytologia*, 63(3): 190 (1987): S. laysanensis.  
*var. laysanensis* (St. John) H. St. John in *Phytologia*, 63(3): 190 (1987): S. laysanensis.  
*var. meeboldii* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*var. obovoideis* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*var. oniniensis* H. St. John in *Phytologia*, 63(3): 190 (1987)—Hawaiian Is.  
*var. paneensis* H. St. John in *Phytologia*, 63(3): 188 (1987)—Hawaiian Is.  
*var. pohakeaensis* H. St. John in *Phytologia*, 63(3): 188 (1987)—Hawaiian Is.  
*subsp. puberulus* H. St. John in *Phytologia*, 63(3): 191 (1987)—Hawaiian Is.  
*var. trilobata* H. St. John in *Phytologia*, 63(3): 190 (1987)—Hawaiian Is.  
*var. woolfordii* H. St. John in *Phytologia*, 63(3): 189 (1987)—Hawaiian Is.  
*niger* H. St. John in *Phytologia*, 63(3): 192 (1987)—Hawaiian Is.  
*waimanaloensis* H. St. John in *Phytologia*, 63(3): 192 (1987)—Hawaiian Is.

**SIDA** (Malvac.).

- anodifolia* P.A. Fryxell in *Sida*, 12(1): 14 (1987)—Mexico.  
*arenicola* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 2(5): 463 (1988)—Australia (N. Terr., W. Australia).  
*argillacea* A.E. Holland & S.T. Reynolds in *Austrobaileya*, 2(5): 465 (1988)—Australia (Queensland, N. Terr.).  
*asterocalyx* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 2(5): 463 (1988)—Australia (Queensland, W. Australia).  
*brachypoda* A.E. Holland & S.T. Reynolds in *Austrobaileya*, 2(5): 459 (1988)—Australia (Queensland, N. Terr., W. Australia).  
*canariensis* A.J. Cavanilles in *Anales Ci. Nat.*, 3(7): 72 (1801)—Canary Is.  
*everistiana* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 2(5): 461 (1988)—Australia (Queensland, N. Terr.).  
*fastuosa* P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 554 (1987)—Mexico.  
*fryxellii* V.V. Sivarajan & A.K. Pradeep in *Kew Bull.*, 45(4): 725 (1990)—India.  
*massaica* K. Vollesen in *Kew Bull.*, 41(1): 97 (1986)—Kenya, Tanzania.  
*michoacana* P.A. Fryxell in *Sida*, 12(1): 16 (1987)—Mexico.  
*monticola* P.A. Fryxell in *Sida*, 12(1): 18 (1987)—Mexico.  
*peruviana* Lamarck, *Encycl.*, 1: 6 (1783)—Peru.  
*prolifera* P.A. Fryxell & S.D. Koch in *Aliso*, 11(4): 556 (1987)—Mexico.  
*reflexa* Lamarck, *Encycl.*, 1: 6 (1783)—Locality not stated.  
*rohlenae*  
*var. mutica* (Bentham) P.A. Fryxell in *Sida*, 12(1): 26 (1987): S. cordifolia var. mutica.

**SIDA** :-

- shinyangensis* K. Vollesen in *Kew Bull.*, 41(1): 97 (1986)—Tanzania.  
*tanaensis* K. Vollesen in *Kew Bull.*, 41(1): 95 (1986)—Kenya.  
*tenuicarpa* K. Vollesen in *Kew Bull.*, 41(1): 92 (1986)—Ethiopia, Zaïre, Uganda, Kenya, Tanzania.  
**SIDERITIS** (Labiata).  
*algarviensis* D. Rivera Núñez & C. Obón de Castro in *An. Jard. Bot. Madrid*, 47(2): 500 (1989 publ. 1990)—Portugal.  
*subsp. taviroana* D. Rivera Núñez & C. Obón de Castro in *An. Jard. Bot. Madrid*, 47(2): 502 (1989 publ. 1990)—Portugal.  
*altiatlantica* (Font Quer) J.B. Peris, G. Stübing & R. Figuerola in *Bot. J. Linn. Soc.*, 103(1): 21 (1990): S. incana var. altiatlantica.  
*antiatlantica* (Maire) M. Rejdali in *Bot. J. Linn. Soc.*, 96(4): 347 (1988): S. ochroleuca var. antiatlantica.  
*arborescens*  
*var. antiatlantica* (Maire) A. Dobignard in *Saussurea*, 19: 108 (1988 publ. 1989): S. ochroleuca var. antiatlantica.  
*ciliata* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 532 (1784)—Japan.†  
*cuatrecasasii* J.B. Peris, G. Stübing & R. Figuerola in *Bot. J. Linn. Soc.*, 103(1): 11 (1990)—Spain.  
× *cedetana* Pau ex J.B. Peris, R. Figuerola & G. Stübing in *Bot. J. Linn. Soc.*, 103(1): 33 (1990), contrary to Art. H5.2 ICBN (1988)—Spain. (S. incana subsp. virgata × sericea).  
*flavovirens* (Rouy) F. Alcaraz, M. Peinado, J.M. Martínez-Parra, J.S. Carrión & P. Sánchez-Gómez in *Acta Bot. Malacitana*, 12: 245 (1987): S. leucantha var. flavovirens.  
*funkiana*  
*subsp. talaverana* O. Socorro, L. Cano & M.C. Espinar in *Acta Bot. Malacitana*, 13: 168 (1988), nom. nov.: S. lagascana Willk.  
*gomeracea*  
*subsp. perezii* M.L. Negrin-Sosa in *Vieraea*, 16(1–2): 273 (1986)—Canary Is.  
*granatensis* (Pau) F. Alcaraz, M. Peinado, J.M. Martínez-Parra, J.S. Carrión & P. Sánchez-Gómez in *Acta Bot. Malacitana*, 12: 246 (1987): S. hirsuta var. granatensis.  
*incana*  
*var. spinulosa* (Font Quer) Rivas Goday & Borja ex D. Sánchez-Mata in *Lazaroa*, 6: 305 (1984 publ. 1985): S. incana subvar. spinulosa.  
*leucantha*  
*subsp. bourgeana* (Boissier) F. Alcaraz, M. Peinado, J.M. Martínez-Parra, J.S. Carrión & P. Sánchez-Gómez in *Acta Bot. Malacitana*, 12: 246 (1987): S. bourgeana.  
*subsp. incana* (Willk.) F. Alcaraz, M. Peinado, J.M. Martínez-Parra, J.S. Carrión & P. Sánchez-Gómez in *Acta Bot. Malacitana*, 12: 246 (1987): S. linearifolia var. incana.  
*mohamedii* M. Rejdali in *Bot. J. Linn. Soc.*, 96(4): 346 (1988)—Morocco.  
× *murcica* (Font Quer) A.M. Romo in *Collect. Bot.*, 18: 154 (1990): S. × viciosoi var. murcica.  
*var. aemiliae* (Font Quer) A.M. Romo in *Collect. Bot.*, 18: 154 (1990): S. × viciosoi var. aemiliae.  
*var. affinis* (Font Quer) A.M. Romo in *Collect. Bot.*, 18: 154 (1990): S. × viciosoi var. affinis.  
*var. stricta* (Font Quer) A.M. Romo in *Collect. Bot.*, 18: 154 (1990): S. × viciosoi var. stricta.  
*nothosubsp. viciosoi* (Pau) A.M. Romo in *Collect. Bot.*, 18: 154 (1990): S. × viciosoi.  
*occidentalis* (Font Quer) J.B. Peris, G. Stübing & R. Figuerola in *Bot. J. Linn. Soc.*, 103(1): 32 (1990): S. incana var. occidentalis.  
*oromarocana* J.B. Peris, G. Stübing & R. Figuerola in *Bot. J. Linn. Soc.*, 103(1): 16 (1990), nom. nov.: S. incana var. tomentosa Batt. & Pitard.  
*osteoxylla* (Pau) F. Alcaraz, M. Peinado, J.M. Martínez-Parra, J.S. Carrión & P. Sánchez-Gómez in *Acta Bot. Malacitana*, 12: 246 (1987): S. almeriensis var. osteoxylla.  
× *paui*  
*nothosubsp. enguerana* M.B. Crespo & G. Mateo in *Collect. Bot.*, 18: 94 (1990)—Spain. (S. hirsuta × incana subsp. virgata).

**SIDERITIS** :-

- regimontana* (Maire) J.B. Peris, G. Stübing & R. Figuerola in *Bot. J. Linn. Soc.*, 103(1): 30 (1990): S. incana var. regimontana.  
× *robusta* (Font Quer) J.B. Peris, R. Figuerola & G. Stübing in *Bot. J. Linn. Soc.*, 103(1): 35 (1990), contrary to Art. H5.2 ICBN (1988): S. incana var. robusta. (S. guyoniana × incana subsp. virgata).  
*romana*  
*var. lazae* O. Socorro, I. Tárrega & M.L. Zafra in *Lagascalia*, 14(1): 98 (1986)—Spain.  
*spicata* (Pit.) A. Marrero Rodríguez in *Bot. Macaronésica*, 16: 40 (1988): Leucophaea argosphacelus var. spicata.  
**SIDEROXYLON** (Sapotac.).  
*acunae* (Borhidi) T.D. Pennington in *Fl. Neotrop.*, 52: 147 (1990): Bumelia acunae.  
*altamiranoi* (Rose & Standley) T.D. Pennington in *Fl. Neotrop.*, 52: 167 (1990): Bumelia altamiranoi.  
*americanum* (Miller) T.D. Pennington in *Fl. Neotrop.*, 52: 118 (1990): Maurocenia americana.  
*angustum* T.D. Pennington in *Fl. Neotrop.*, 52: 147 (1990), nom. nov.: Bumelia revoluta Urban.  
*anomalum* (Urban) T.D. Pennington in *Fl. Neotrop.*, 52: 123 (1990): Dipholis anomala.  
*bullatum* (Howard & Proctor) T.D. Pennington in *Fl. Neotrop.*, 52: 138 (1990): Dipholis bullata.  
*capiri*  
*subsp. tempisque* (Pittier) T.D. Pennington in *Fl. Neotrop.*, 52: 158 (1990): Sideroxylon tempisque.  
*cartilagineum* (Cronquist) T.D. Pennington in *Fl. Neotrop.*, 52: 108 (1990): Bumelia cartilaginea.  
*celastrinum* (Kunth) T.D. Pennington in *Fl. Neotrop.*, 52: 123 (1990): Bumelia celastrina.  
*contrerasii* (Lundell) T.D. Pennington in *Fl. Neotrop.*, 52: 135 (1990): Bumelia contrerasii.  
*cubense* (Grisebach) T.D. Pennington in *Fl. Neotrop.*, 52: 129 (1990): Bumelia cubensis.  
*dominicanum* (Whetstone & Atkinson) T.D. Pennington in *Fl. Neotrop.*, 52: 148 (1990): Bumelia dominicana.  
*durifolium* (Standley) T.D. Pennington in *Fl. Neotrop.*, 52: 152 (1990): Dipholis durifolia.  
*eriocarpum* (Greenman & Conzatti) T.D. Pennington in *Fl. Neotrop.*, 52: 108 (1990): Bumelia eriocarpa.  
*eucoriaceum* (Lundell) T.D. Pennington in *Fl. Neotrop.*, 52: 143 (1990): Mastichodendron eucoriaceum.  
*eucuneifolium* (Lundell) T.D. Pennington in *Fl. Neotrop.*, 52: 171 (1990): Mastichodendron eucuneifolium.  
*excavatum* T.D. Pennington in *Fl. Neotrop.*, 52: 154 (1990)—Mexico.  
*floribundum*  
*subsp. belizense* (Lundell) T.D. Pennington in *Fl. Neotrop.*, 52: 162 (1990): S. belizense.  
*foetidissimum*  
*subsp. gaumeri* (Pittier) T.D. Pennington in *Fl. Neotrop.*, 52: 164 (1990): S. gaumeri.  
*hirtiantherum* T.D. Pennington in *Fl. Neotrop.*, 52: 153 (1990), nom. nov.: Mastichodendron parviflorum Lundell.  
*horridum* (Grisebach) T.D. Pennington in *Fl. Neotrop.*, 52: 127 (1990): Bumelia horrida.  
*ibarrae* (Lundell) T.D. Pennington in *Fl. Neotrop.*, 52: 133 (1990): Bumelia ibarrae.  
*jubilla* (Ekman ex Urban) T.D. Pennington in *Fl. Neotrop.*, 52: 137 (1990): Dipholis jubilla.  
*lanuginosum*  
*subsp. albicans* (Sarg.) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 68(6): 425 (1990): Bumelia lanuginosa var. albicans.  
*subsp. oblongifolium* (Nuttall) T.D. Pennington in *Fl. Neotrop.*, 52: 169 (1990): Bumelia oblongifolia.  
*subsp. rigidum* (A. Gray) T.D. Pennington in *Fl. Neotrop.*, 52: 169 (1990): Bumelia lanuginosa var. rigida.  
*montanum* (Swartz) T.D. Pennington in *Fl. Neotrop.*, 52: 137 (1990): Bumelia montana.  
*obtusifolium* (Roemer & Schultes) T.D. Pennington in *Fl. Neotrop.*, 52: 114 (1990): Bumelia obtusifolia.  
*subsp. buxifolium* (Roemer & Schultes) T.D. Pennington in *Fl. Neotrop.*, 52: 116 (1990): Bumelia buxifolia.  
*occidentale* (Hemsley) T.D. Pennington in *Fl. Neotrop.*, 52: 125 (1990): Bumelia occidentalis.

**SIDEROXYLON** :-

- octosepalum (Urban) T.D. Pennington in *Fl. Neotrop.*, 52: 139 (1990): *Dipholis octosepala*.  
 palmeri (Rose) T.D. Pennington in *Fl. Neotrop.*, 52: 104 (1990): *Bumelia palmeri*.  
 peninsulare (Brandegee) T.D. Pennington in *Fl. Neotrop.*, 52: 105 (1990): *Bumelia peninsularis*.  
 persimile (Hemsley) T.D. Pennington in *Fl. Neotrop.*, 52: 102 (1990): *Bumelia persimilis*.  
 subsp. subsessiliflorum (Hemsley) T.D. Pennington in *Fl. Neotrop.*, 52: 103 (1990): *Bumelia subsessiliflora*.  
 picardae (Urban) T.D. Pennington in *Fl. Neotrop.*, 52: 126 (1990): *Bumelia picardae*.  
 portoricense  
 subsp. minutiflorum (Pittier) T.D. Pennington in *Fl. Neotrop.*, 52: 142 (1990): *Dipholis minutiflora*.  
 reclinatum  
 subsp. austrofloridense (Whetstone) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 68(6): 425 (1990): *Bumelia reclinata* var. *austrofloridensis*.  
 subsp. rufotomentosum (Small) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 68(6): 425 (1990): *Bumelia rufotomentosa*.  
 repens (Urban & Ekman) T.D. Pennington in *Fl. Neotrop.*, 52: 131 (1990): *Dipholis repens*.  
 retinerve T.D. Pennington in *Fl. Neotrop.*, 52: 153 (1990), nom. nov.: *Bumelia hondurensis* Lundell.  
 rotundifolium (Swartz) T.D. Pennington in *Fl. Neotrop.*, 52: 120 (1990): *Bumelia rotundifolia*.  
 rubiginosum T.D. Pennington in *Fl. Neotrop.*, 52: 148 (1990), nom. nov.: *Dipholis sericea* Cronquist.  
 socorrense (Brandegee) T.D. Pennington in *Fl. Neotrop.*, 52: 107 (1990): *Bumelia socorrensis*.  
 stenospermum (Standley) T.D. Pennington in *Fl. Neotrop.*, 52: 109 (1990): *Bumelia stenosperma*.  
 stevensonii (Standley) T.D. Pennington in *Fl. Neotrop.*, 52: 131 (1990): *Dipholis stevensonii*.  
 tepicense (Standley) T.D. Pennington in *Fl. Neotrop.*, 52: 159 (1990): *Chrysophyllum tepicense*.  
 thornei (Cronquist) T.D. Pennington in *Fl. Neotrop.*, 52: 170 (1990): *Bumelia thornei*.  
 verruculosum (Cronquist) T.D. Pennington in *Fl. Neotrop.*, 52: 145 (1990): *Bumelia verruculosa*.

**XSIDRANARA** hort. in *Orchid Rev.*, 94(1107): centre page pull-out p. 8 (1986). **ORCHIDACEAE**.  
 (Ascocentrum × Phalaenopsis × Renanthera).

**SIEVEKINGIA** (Orchidac.).

- herklotziana R. Jenny in *Orchidee*, 37(2): 75 (1986)—Colombia.  
 herrenhusana R. Jenny in *Orchidee*, 37(2): 78 (1986)—Ecuador.

**SIEVERSIA** (Rosac.).

- paradoxa D. Don ex Tillich & Taylor, *Phil. Mag.*, 64: 374 (Nov. 1824); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.

**SIGESBECKIA** (Compos.).

- sect. Neotropica D.L. Schultz in *Cat. Herb. Lipsiensis, Pl. Neotropicae*, 2: 54 (1989).  
 australiensis D.L. Schulz in *Gleditschia*, 15(2): 208 (1987)—Australia (S. Australia, New South Wales, N. Terr., W. Australia, Victoria).  
 bogotensis D.L. Schulz in *Hausknechtia*, *Mitt. Thüring. Bot. Ges.*, 3: 61 (1987)—Colombia, Venezuela.  
 pringlei D.L. Schulz in *Hausknechtia*, *Mitt. Thüring. Bot. Ges.*, 4: 28 (1988)—Mexico.  
 subsp. tuerckheimii D.L. Schulz in *Hausknechtia*, *Mitt. Thüring. Bot. Ges.*, 4: 29 (1988)—Hispaniola (Dominican Republic, Haiti).

**SILAUS** (Umbellif.).

- gracilis A. Bunge, *Beitr. Fl. Russl.*: 125 (1852)—U.S.S.R. (Middle Asia).†

**SILENE** (Caryophyllac.).

- ser. Chamarenses V.V. Zuev in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 95(1): 100 (1990).  
 subsect. Echinatae C.L. Tang in *Acta Bot. Yunnanica*, 9(1): 32 (1987).  
 sect. Lychnidiformes V. Melzheimer in *Fl. Iran.*, 163: 478 (1988).  
 sect. Nicaeenses (Rohrb.) S. Talavera in *An. Jard. Bot. Madrid*, 45(1): 361 (1988): S. ser. Nicaeenses.

**SILENE** :-

- subsect. Platypetalae C.L. Tang in *Acta Bot. Yunnanica*, 9(1): 31 (1987).  
 alba  
 var. crassifolia (Lge.) A.R. Pinto da Silva in *Bol. Soc. Brot.*, 60: 152 (1987): *Melandrium pratense* var. *crassifolium*.  
 var. rothmaleriana A.R. Pinto da Silva in *Bol. Soc. Brot.*, 60: 153 (1987), nom. nov.: *Melandrium marizianum* Gandoger.  
 alexandrina (Ascherson) A. Danin in *Israel J. Bot.*, 36(2): 65 (1987): S. apetala var. *alexandrina*.  
 antri-jovis W. Greuter & Burdet in *Willdenowia*, 16(2): 440 (1987), nom. nov.: S. fruticulosa Otth.  
 asclepiadea  
 var. dumicola (W.W. Smith) C.L. Tang in *Acta Bot. Yunnanica*, 9(1): 28 (1987): S. dumicola.  
 baldaccii (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 194 (1916–1920 publ. 1926): S. otites var. *baldaccii*.  
 boullui (Rouv. & Fouc.) M. Kerguelen in *Lejeunia*, 120: 163 (1987): S. mirabilis subsp. *boullui*.  
 brevicalyx P. Hartvig & A. Strid in *Bot. Jahrb.*, 108(2–3): 323 (1987)—Turkey.  
 bupleuroides  
 subsp. solenocalyx (Boiss. & Huet) V. Melzheimer in *Fl. Iran.*, 163: 399 (1988): S. bupleuroides var. *solenocalyx*.  
 colpophylla F. Wrigley in *Ann. Bot. Fenn.*, 23(1): 77 (1986)—France.  
 commelinifolia  
 var. ovatifolia V. Melzheimer in *Fl. Iran.*, 163: 461 (1988)—Iran, Iraq.  
 decumbens Hornem., *Hort. Hafn.*: 415 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 437 (1984)—Locality not stated.  
 dioica  
 var. glandulosa (Brügger) M. Kerguelen in *Lejeunia*, 120: 163 (1987): *Lychnis diurna* var. *glandulosa*.  
 fabaria  
 subsp. thebana (Orph. ex Boiss.) V. Melzheimer in *Pl. Syst. Evol.*, 155(1–4): 252 (1987): S. thebana.  
 firma  
 var. pubescens (Makino) S.Y. He in *Fl. Beijing*, 1: 209 (1984), without basionym ref.: S. firma f. *pubescens*.  
 fissicalyx G. Bocquet & A.O. Chater in *Enum. Fl. Pl. Nepal*, 2: 55 (1979)—Nepal.  
 foetida  
 subsp. gayana S. Talavera in *An. Jard. Bot. Madrid*, 45(1): 362 (1988), nom. nov.: S. macrorhiza Gay & Durieu ex Lacaita.  
 fortunei  
 var. kiruninsularis (Masamune) S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4: *Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 128 (1980): S. kiruninsularis.  
 gallica  
 var. giraldui (Guss.) S.M. Walters in *Bot. J. Linn. Soc.*, 97(4): 341 (1988): S. giraldui.  
 griffithii  
 subsp. kunarensis V. Melzheimer in *Fl. Iran.*, 163: 478 (1988)—Afghanistan.  
 guntensis  
 subsp. pistillaris K.H. Rechinger & V. Melzheimer in *Fl. Iran.*, 163: 455 (1988)—Afghanistan.  
 gynodioica  
 subsp. glandulosa V. Melzheimer in *Fl. Iran.*, 163: 423 (1988)—Iran, U.S.S.R. (Middle Asia).  
 subsp. peduncularis (Fenzl ex Boiss.) V. Melzheimer in *Fl. Iran.*, 163: 422 (1988): S. nodulosa var. *peduncularis*.  
 holosteiifolia G. Bocquet & A.O. Chater in *Enum. Fl. Pl. Nepal*, 2: 55 (1979)—Nepal.  
 ibosii  
 subsp. grosiana (Pau & Font Quer) J. Fernández Casas in *Fontqueria*, 1: 9 (1982): S. grosiana.  
 inaperta  
 subsp. serpentinicola S. Talavera in *An. Jard. Bot. Madrid*, 45(1): 361 (1988)—Spain.  
 indica  
 var. cashmeriana (Royle ex Benth.) Y. Nasir in *Fl. Pakistan*, 175: 71 (1986): *Lychnis cashmeriana*.  
 var. edgeworthii (Bocquet) Y. Nasir in *Fl. Pakistan*, 175: 70 (1986): *Silene edgeworthii*.  
 integripetala  
 subsp. greuteri (Phitos) J.R. Akeroyd in *Bot. J. Linn. Soc.*, 97(4): 341 (1988): S. greuteri.

**SILENE** :-

- jeniseensis  
 subsp. popovii V.V. Zuev in *Byull. Mosk. Obshch. Ispyt. Prir.*, Biol., 95(1): 99 (1990)—U.S.S.R. (Siberia).  
 var. latifolia (Turcz.) Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 597 (1985), without basionym ref.: Basionym not stated.  
 jugorum (F.N. Williams) G. Bocquet & A.O. Chater in *Enum. Fl. Pl. Nepal*, 2: 56 (1979), isonym; see N.C. Majumdar in *Bull. Bot. Surv. India*, 15(1–2): 39 (1973 publ. 1976): *Melandrium jugorum*.  
 kirgisensis M.S. Baitenov & Nelina in *Izv. Akad. Nauk Kaz. SSR, Biol.*, 1990(4): 84 (1990)—U.S.S.R. (Middle Asia).  
 latifolia  
 subsp. persica (Boiss. & Buhse) V. Melzheimer in *Fl. Iran.*, 163: 473 (1988): *Melandrium eriocalycinum* var. *persicum*.  
 littorea  
 subsp. nana (Camb.) O. de Bolos & J. Vigo, *Fl. Països Catalans*, 2: 733 (1990): S. villosa var. *nana*.  
 marschallii  
 subsp. sahendica (Boiss. & Buhse) V. Melzheimer in *Fl. Iran.*, 163: 388 (1988): S. sahendica.  
 meyeri  
 subsp. persica (Boiss.) V. Melzheimer in *Fl. Iran.*, 163: 444 (1988): S. meyeri var. *persica*.  
 morrisonmontana  
 var. transalpina (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 1: 494 (1985): *Melandrium transalpinum*.  
 multifurcata C.L. Tang in *Acta Phytotax. Sin.*, 24(5): 391 (1986)—Xizang.  
 odontopetala  
 subsp. congesta (Boiss.) V. Melzheimer in *Fl. Iran.*, 163: 376 (1988): S. odontopetala var. *congesta*.  
 otites  
 subsp. hungarica F. Wrigley in *Ann. Bot. Fenn.*, 23(1): 74 (1986)—Hungary, Austria, Czechoslovakia.  
 ovalifolia (Regel & Schmalh.) V. Melzheimer in *Fl. Iran.*, 163: 476 (1988): *Melandrium ovalifolium*.  
 perlmanii W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Bishop Mus. Occas. Pap.*, 29: 94 (1989)—Hawaiian Is.  
 physocalycina (Haukskn. & Bornm.) V. Melzheimer in *Fl. Iran.*, 163: 470 (1988): *Melandrium physocalycinum*.  
 pseudocashmeriana G. Bocquet & A.O. Chater in *Enum. Fl. Pl. Nepal*, 2: 56 (1979)—Nepal.  
 repens  
 var. xilingensis Y.Z. Zhao in *Acta Sci. Nat. Univ. Intramongolicae*, 16(4): 595 (1985)—China.  
 retzdorffiana  
 subsp. nikolicii A. Seliger & T. Wraber in *Biol. Vestn.*, 35(2): 97 (1987)—Yugoslavia.  
 scabriflora  
 subsp. gallaecica S. Talavera in *An. Jard. Bot. Madrid*, 45(1): 361 (1988)—Spain.  
 subsp. macrocalycina S. Talavera in *An. Jard. Bot. Madrid*, 45(1): 361 (1988)—Spain.  
 subsp. megacalycina S. Talavera in *Fl. Iberica*, 2: 330 (1990), nom. nov.: S. scabriflora subsp. *macrocalycina* Talavera.  
 subsp. tuberculata (Ball) S. Talavera in *Lagascalia*, 14(1): 131 (1986): S. hirsuta var. *tuberculata*.  
 seoulensis  
 var. angustata C.L. Tang in *Acta Phytotax. Sin.*, 24(5): 391 (1986)—China.  
 sericata C.L. Tang in *Acta Phytotax. Sin.*, 24(5): 389 (1986)—China.  
 stellariifolia G. Bocquet & A.O. Chater in *Enum. Fl. Pl. Nepal*, 2: 56 (1979)—Nepal.  
 suavis Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1835: 6 (1835); *Linnaea* 11, Lit.: 90 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
 tenorii Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1821: 4 (1821); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
 tubiformis C.L. Tang in *Acta Phytotax. Sin.*, 24(5): 387 (1986)—China.  
 uniflora  
 subsp. cratericola (Franco) J. do Amaral Franco in *Ann. Bot. Fenn.*, 23(1): 91 (1986): S. vulgaris subsp. *cratericola*.

**SILENE** :-

- subsp. *glareosa* (Jordan) A.O. Chater & S.M. Walters in *Bot. J. Linn. Soc.*, 103(3): 216 (1990): S. *glareosa*.  
 var. *montana* (Arrondeau) M. Kerguelen in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 21: 51 (1986): S. *montana*.  
 subsp. *prostrata* (Gaudin) A.O. Chater & S.M. Walters in *Bot. J. Linn. Soc.*, 103(3): 215 (1990): S. *inflata* subsp. *prostrata*.  
*velebitica* (Degen) F. Wrigley in *Ann. Bot. Fenn.*, 23(1): 70 (1986): S. *otites* subsp. *velebitica*.  
*viscosa*  
 subsp. *quadriloba* (Trautv.) V. Melzheimer in *Fl. Iran.*, 163: 489 (1988): S. *viscosa* var. *quadriloba*.  
 vlokii D. Masson in *Candollea*, 44(2): 485 (1989)—South Africa (Cape Province).  
*yarmalii*  
 var. *gillii* V. Melzheimer in *Fl. Iran.*, 163: 459 (1988)—Afghanistan.

**SILPHIUM** (Compos.).

- wasiotensis* M.E. Medley in *Sida*, 13(3): 285 (1989)—U.S.A. (Kentucky).

**SIMABA** (Simaroubac.).

- polyphylla (Cavalcante) W.W. Thomas in *Acta Amazonica*, 15(1-2) Suppl.: 76 (1985 publ. 1987): S. *guianensis* subsp. *polyphylla*.

**SIMIRA** (Rubiace.).

- ignicola* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1086 (1988)—Venezuela.

**SINAPIS** (Crucif.).

- cernua* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 602 (1784)—Japan.†  
*japonica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 602 (1784)—Japan.†  
*viminea* (L.) Lag., *Elenchus*: 15 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated.

**SINARUNDINARIA** (Gramin.).

- sect. *Chimonocalamus* (Hsueh & Yi) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 353 (1989): gen. *Chimonocalamus*.  
*alpina* (K. Schum.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 361 (1989): Arundinaria *alpina*.  
*anceps* (Mitf.) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 359 (1989): Arundinaria *anceps*.  
*burmaensis* C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 409 (1988)—Burma.  
*debilis* (Thwaites) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 355 (1989): Arundinaria *debilis*.  
*densifolia* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 354 (1989): Arundinaria *densifolia*.  
*elegans* (Kurz) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 357 (1989): Arundinaria *elegans*.  
*falcata* (Nees) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 357 (1989): Arundinaria *falcata*.  
*floribunda* (Thwaites) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 356 (1989): Arundinaria *floribunda*.  
*gallatyi* (Gamble) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 354 (1989): Arundinaria *gallatyi*.  
*griffithiana* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 353 (1989): Arundinaria *griffithiana*.  
*hirsuta* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 355 (1989): Arundinaria *hirsuta*.  
*hookeriana* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 358 (1989): Arundinaria *hookeriana*.  
*humbertii* (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 362 (1989): Arundinaria *humbertii*.  
*intermedia* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 357 (1989): Arundinaria *intermedia*.  
*longispiculata* C.S. Chao & S.A. Renvoize in *Kew Bull.*, 43(3): 411 (1988)—Assam.  
*longiuscula* J.R. Xue & Y.Y. Dai in *J. Bamboo Res.*, 6(2): 19 (1987)—China.  
*madagascariensis* (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 362 (1989): Arundinaria *madagascariensis*.

**SINARUNDINARIA** :-

- malang* (Gamble) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 356 (1989): Arundinaria *malang*.  
*microphylla* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 354 (1989): Arundinaria *microphylla*.  
*pantlingii* (Gamble) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 359 (1989): Arundinaria *pantlingii*.  
*petelotii* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990): Arundinaria *petelotii*.  
*polystachya* (Gamble) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 359 (1989): Arundinaria *polystachya*.  
*rolloana* (Gamble) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 355 (1989): Arundinaria *rolloana*.  
*schmidiana* (A. Camus) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 360 (1989): Arundinaria *schmidiana*.  
*schmidiana* (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 225 (1990), isonym: Arundinaria *schmidiana*.  
*walkeriana* (Munro) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 354 (1989): Arundinaria *walkeriana*.  
*wightiana* (Nees) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 356 (1989): Arundinaria *wightiana*.  
*yunnanensis* (Hsueh & Yi) J.R. Xue & D.Z. Li in *J. Bamboo Res.*, 6(2): 21 (1987): Fargesia *yunnanensis*.

**SINCLAIRIA** (Compos.).

- sect. *Liabellum* (Rydb.) B.L. Turner in *Phytologia*, 67(2): 201 (1989): gen. *Liabellum*.  
 subgen. *Megaliabum* (Rydb.) B.L. Turner in *Phytologia*, 67(2): 197 (1989): gen. *Megaliabum*.  
*angustissima* (A. Gray) B.L. Turner in *Phytologia*, 67(2): 205 (1989): Liabum *angustissimum*.  
*cervina* (B.L. Robins.) B.L. Turner in *Phytologia*, 67(2): 204 (1989): Liabum *cervinum*.  
*gentryi* (H. Robins.) B.L. Turner in *Phytologia*, 67(2): 204 (1989): Liabellum *gentryi*.  
*glabra*  
 var. *hypoleuca* (Greenm.) B.L. Turner in *Phytologia*, 67(2): 180 (1989): Liabum *glabrum* var. *hypoleucum*.  
 var. *minor* B.L. Turner in *Phytologia*, 67(2): 182 (1989)—Mexico.  
*hintoniorum* B.L. Turner in *Phytologia*, 67(2): 201 (1989)—Mexico.  
*palmeri* (A. Gray) B.L. Turner in *Phytologia*, 67(2): 203 (1989): Liabum *palmeri*.

**SINNINGIA** (Gesneriac.).

- calcaria* (Dusen ex Malme) A. Chautems in *Candollea*, 45(1): 381 (1990): Corytholoma *calcareum*.  
*cochlearis* (Hook.) A. Chautems in *Candollea*, 45(1): 382 (1990): Gesneria *cochlearis*.  
*curtiflora* (Malme) A. Chautems in *Candollea*, 45(1): 382 (1990): Corytholoma *curtiflorum*.  
*defoliata* (Malme) A. Chautems in *Candollea*, 45(1): 382 (1990): Corytholoma *defoliata*.  
*douglasii* (Lindl.) A. Chautems in *Candollea*, 45(1): 382 (1990): Gesneria *douglasii*.  
*elator* (Kunth) A. Chautems in *Candollea*, 45(1): 383 (1990): Gesneria *elator*.  
*gigantifolia* A. Chautems in *Candollea*, 45(1): 384 (1990), nom. nov.: Gesneria *discolor* Lindl.  
*glazioviana* (Fritsch) A. Chautems in *Candollea*, 45(1): 385 (1990): Corytholoma *glaziovianum*.  
*insularis* (Hoehne) A. Chautems in *Candollea*, 45(1): 385 (1990): Reichsteineria *insularis*.  
*lateritia* (Lindl.) A. Chautems in *Candollea*, 45(1): 385 (1990): Gesneria *lateritia*.  
*leopoldii* (Scheidw. ex Planch.) A. Chautems in *Candollea*, 45(1): 385 (1990): Gesneria *leopoldii*.  
*lineata* (Hjelm.) A. Chautems in *Candollea*, 45(1): 385 (1990): Reichsteineria *lineata*.  
*macrostachya* (Lindl.) A. Chautems in *Candollea*, 45(1): 386 (1990): Gesneria *macrostachya*.  
*piresiana* (Hoehne) A. Chautems in *Candollea*, 45(1): 386 (1990): Reichsteineria *piresiana*.  
*reitzii* (Hoehne) L.E. Skog in *Gloxinian*, 37(1): 35 (1987): Reichsteineria *reitzii*.  
*schomburgkiana* (Kunth & Bouché) A. Chautems in *Candollea*, 45(1): 386 (1990): G. *schomburgkiana*.  
*warmingii* (Hiern) A. Chautems in *Candollea*, 45(1): 386 (1990): Gesneria *warmingii*.

- SINOACOPA** D.Y. Hong in *Acta Phytotax. Sin.*, 25(5): 393 (1987). **SCROPHULARIACEAE**.  
*aquatica* D.Y. Hong in *Acta Phytotax. Sin.*, 25(5): 395 (1987)—Hainan, China.

**SINOAMBUSA** (Gramin.).

- dushanensis* (C.D. Chu & J.G. Zhang) T.H. Wen in *J. Bamboo Res.*, 6(3): 33 (1987): Arundinaria *dushanensis*.  
*exaurita* W.T. Lin in *Acta Phytotax. Sin.*, 26(3): 228 (1988)—China.  
*fimbriata* T.H. Wen in *J. Bamboo Res.*, 7(1): 25 (1988)—China.  
*nandanensis* T.H. Wen in *J. Bamboo Res.*, 6(3): 29 (1987)—China.  
*parvifolia* T.H. Wen & S.Y. Chen in *J. Bamboo Res.*, 6(3): 31 (1987), as 'parvofolia'—China.  
*sat* (Balansa) C.S. Chao & S.A. Renvoize in *Kew Bull.*, 44(2): 366 (1989): Arundinaria *sat*.

**SINOCALAMUS** (Gramin.).

- bachthaiensis* Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 222 (1990)—Vietnam.  
*flagellifer* (Munro) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *flagellifer*.  
*hamiltonii* (Nees & Arn. ex Munro) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *hamiltonii*.  
*hookeri* (Munro) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *hookeri*.  
*longifimbriatus* (Gamble) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *longifimbriatus*.  
*maiensis* Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 224 (1990)—Vietnam.  
*nudus* (Pilg.) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *nudus*.  
*patellaris* (Gamble) Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989): Dendrocalamus *patellaris*.  
*rugosiglumis* Nguyen To Quyen in *Bot. Zhurn.*, 74(11): 1662 (1989)—Vietnam.  
*sang* Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 223 (1990)—Vietnam.  
*yentuensis* Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 223 (1990)—Vietnam.

**SINOCARUM** (Umbellif.).

- bijiangense* S.L. Liou in *Acta Phytotax. Sin.*, 28(2): 149 (1990)—China.

**SINODIELSIA** (Umbellif.).

- digitata* E.V. Kljuykov in *Feddes Repert.*, 97(11-12): 756 (1986)—Bhutan.  
*microloba* E.V. Kljuykov in *Feddes Repert.*, 97(11-12): 757 (1986)—Xizang.

**SINOJOHNSTONIA** (Boraginac.).

- chekiangensis* (Migo) W.T. Wang ex Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 186 (1983): Omphalodes *chekiangensis*.  
*moupinensis* (Franch.) W.T. Wang ex Z.Y. Zhang in *Fl. Tsinlingensis*, 1(4): 185 (1983): Omphalodes *moupinensis*.

**SINOPODOPHYLLUM** (Berberidac.).

- emodi* T.S. Ying in *Acta Phytotax. Sin.*, 17(1): 16 (1979), as 'comb. nov.' but stated basionym invalid; stands as illegit. nom. nov. for *Podophyllum hexandrum* Royle. †

**SINOSASSAFRAS** H.W. Li in *Acta Bot. Yunnanica*, 7(2): 134 (1985). **LAURACEAE**.

- flavineria* (Allen) H.W. Li in *Acta Bot. Yunnanica*, 7(2): 134 (1985): *Lindera flavineria*.

**SINOLENOCIO** (Compos.).

- fangianus* Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 52 (1988)—China.  
*rotundifolius* Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 53 (1988)—China.  
*wuyiensis* Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 51 (1988)—China.

**SIPANEA** (Rubiace.).

- setacea* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(1): 114 (1987)—Venezuela.

**SIPAPOANTHA** B. Maguire & B.M. Boom in Mem. New York Bot. Gard., 51: 23 (1989). **GENTIANACEAE**.

*ostrina* B. Maguire & B.M. Boom in Mem. New York Bot. Gard., 51: 26 (1989)—Venezuela.

**SIPARUNA** (Monimiaceae).

*arianae* M.V.L. Pereira in Bradea, 4(36): 291 (1986)—Brazil.

*austromexicana* D.H. Lorence in An. Inst. Biol. Univ. Nac. Autón. Méx., Bot., 54: 163 (1983 publ. 1987)—Mexico.

*scandens* D.H. Lorence in An. Inst. Biol. Univ. Nac. Autón. Méx., Bot., 54: 168 (1983 publ. 1987)—Mexico.

**SIPHOCAMPYLUS** (Campanulac.).

*cavanillesii* (Mart.) J.W. Loud., Lad. Fl. Gard. Orn. Greenh. Pl.: 184 (1848); cf. D.J. Mabberley in Taxon, 32(1): 87 (1983): Basionym not stated.

*oscitans* B.A. Stein in Ann. Missouri Bot. Gard., 74(3): 492 (1987), nom. nov.: Burmeistera weberbaueri A. Zahlbr.

*splendens* (F. Wimmer) Jeppesen ex B.A. Stein in Ann. Missouri Bot. Gard., 74(3): 493 (1987): Burmeistera splendens.

**SIPHONOGLOSSA** (Acanthac.).

*leptantha* (Nees) K.L. Immelman in Bothalia, 19(2): 209 (1989): Gendarussa leptantha.

subsp. *late-ovata* (C.B. Cl.) K.L. Immelman in Bothalia, 19(2): 209 (1989): Justicia pulegioides subsp. *late-ovata*.

*mexicana* R.A. Hilsenbeck in Madroño, 36(3): 198 (1989)—Mexico.

*nkandlaensis* K.L. Immelman in Bothalia, 19(2): 209 (1989)—South Africa (Natal, Cape Province).

*ramosa*  
var. *discolor* (S.F. Blake) R.A. Hilsenbeck in Madroño, 36(3): 204 (1989): S. *discolor*.  
var. *hondurensis* (Standley & Steyermark) R.A. Hilsenbeck in Madroño, 36(3): 205 (1989): S. *hondurensis*.

*sessilis*  
var. *calcareia* (Leonard) R.A. Hilsenbeck in Madroño, 36(3): 206 (1989): S. *calcareia*.

**SIRAITIA** (Cucurbitac.).

subgen. *Camptoanthera* A.M. Lu & Z.Y. Zhang in Cathaya, 1: 27 (1989).

*africana* (C. Jeffrey) A.M. Lu & Z.Y. Zhang in Cathaya, 1: 27 (1989): Thladiantha africana.

**SISYMBRIUM** (Crucif.).

*arqueiphanum* I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 76(4): 1176 (1989)—Peru.

*fujianensis* L.K. Ling in Fl. Fujianica, 2: 393 (1985)—China.

*llatasii* I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 77(1): 219 (1990)—Peru.

*morrisonii* I.A. Al-Shehbaz in Ann. Missouri Bot. Gard., 77(1): 219 (1990)—Peru.

*pectinifolium* I.A. Al-Shehbaz in Harvard Pap. Bot., 2: 14 (1990)—Peru.

*praetermissum* T.K. Mardaleishvili in Soobshch. Akad. Nauk Gruz. SSR, 98(2): 397 (1980)—U.S.S.R. (Caucasus).

*vestitum* (Ravenna) I.A. Al-Shehbaz in Harvard Pap. Bot., 2: 16 (1990): Stenodraba vestita.

**SISYRINCHIUM** (Iridac.).

subgen. *Echthronema* (Herbert) P. Goldblatt in Syst. Bot., 15(3): 507 (1990): gen. *Echthronema*.

*abietum* R. McVaugh, Fl. Novo-Galiciana, 15: 314 (1989)—Mexico.

*aquidaunicum* P. Ravenna in Onira, Bot. Leaflet, 1(5): 44 (1988)—Brazil.

*caeteanum* P. Ravenna in Onira, Bot. Leaflet, 1(3): 31 (1988)—Brazil.

*graminifolium*  
subsp. *luteum* (Bertero ex Steudel) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 141 (1986): S. *luteum*.

*juncum*  
subsp. *colchaguense* (Philippi) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 145 (1986): S. *colchaguense*.

**SISYRINCHIUM** :—

subsp. *depauperatum* (Philippi) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 146 (1986): S. *depauperatum*.

*minense* P. Ravenna in Onira, Bot. Leaflet, 1(2): 16 (1988)—Brazil.

*philippii*  
subsp. *illapelinum* (Philippi) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 158 (1986): S. *illapelinum*.

*scirpoides*  
subsp. *leucanthum* (Colla) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 164 (1986): S. *leucanthum*.

subsp. *luridum* (Ravenna) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 167 (1986): S. *luridum*.

subsp. *scirpeum* (Philippi) R. Rodriguez Rios in Mitt. Bot. Staatssamml. München, 22: 167 (1986): S. *scirpeum*.

*subalpinum* J.E. Henrich & P. Goldblatt in Ann. Missouri Bot. Gard., 74(4): 908 (1987 publ. 1988)—Costa Rica, Mexico, Guatemala.

*subcernuum* (Bickn.) J.E. Henrich & P. Goldblatt in Ann. Missouri Bot. Gard., 74(4): 908 (1987 publ. 1988): Hydastylis subcernuus.

**SITODIUM** (Morac.).

*macrocarpon* Thunb. in Phil. Trans. Roy. Soc. London, 69: 467 (1779); cf. D.J. Mabberley in Taxon, 30(1): 12 (1981)—Locality not stated.

**SIUM** (Umbellif.).

*decumbens* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 285 (1784)—Japan.†

*japonicum* C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 284 (1784)—Japan.†

*suave*  
var. *floridanum* (Small) C.F. Reed in Phytologia, 63(5): 411 (1987): S. *floridanum*.

**SKIMMIA** (Rutac.).

*arborescens*  
subsp. *nitida* N.P. Taylor & H.K. Airy Shaw in Kew Mag., 4(4): 185 (1987)—China, India, Bhutan, Burma, Thailand, Laos, Vietnam.

*arunachalensis* A.K. Goel & B.N. Mehrotra in J. Bombay Nat. Hist. Soc., 86(2): 226 (1989)—India.

×*confusa* N.P. Taylor in Kew Mag., 4(4): 193 (1987)—Cultivation. (S. *anquetilia* × *japonica* subsp. *japonica*).

*japonica*  
var. *euphlebia* (Merrill) N.P. Taylor in Kew Mag., 4(4): 184 (1987): S. *euphlebia*.

var. *kwangsiensis* (C.C. Huang) N.P. Taylor in Kew Mag., 4(4): 183 (1987): S. *kwangsiensis*.

subsp. *reevesiana* (Fortune) N.P. Taylor & H.K. Airy Shaw in Kew Mag., 4(4): 182 (1987): Ilex *reevesiana*.

var. *reevesiana* (Fortune) N.P. Taylor in Kew Mag., 4(4): 183 (1987): Ilex *reevesiana*.

*kamengensis* A.K. Goel & B.N. Mehrotra in J. Bombay Nat. Hist. Soc., 86(2): 228 (1989)—India.

*laureola*  
subsp. *lancasteri* N.P. Taylor in Kew Mag., 6(4): 162 (1989), nom. nov., as 'subsp. nov.': S. *melanocarpa* Rehder & Wilson.

subsp. *multinervia* (C.C. Huang) N.P. Taylor & H.K. Airy Shaw in Kew Mag., 4(4): 189 (1987): S. *multinervia*.

var. *wattii* K. Narayanan Nair & M.P. Nayar in J. Bombay Nat. Hist. Soc., 85(3): 653 (1988 publ. 1989)—India.

**SLOANEA** (Elaeocarpaceae).

*bathiei* C. Trel in Fl. Madagascar, Fam. 125: 48 (1985)—Madagascar.

*bolivarensis* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1572 (1988 publ. 1989)—Venezuela.

*cataniapensis* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1572 (1988 publ. 1989)—Venezuela.

*davidsei* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1575 (1988 publ. 1989)—Venezuela.

*emeiensis* Fang & P.C. Tuan in Acta Sci. Nat. Univ. Szechuan, 1982(4): 84 (1982)—China.

*longiaristata* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1577 (1988 publ. 1989)—Venezuela.

**SLOANEA** :—

*longispala* C. Trel in Fl. Madagascar, Fam. 125: 47 (1985)—Madagascar.

*merevariensis* Pittier ex J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1579 (1988 publ. 1989)—Venezuela.

*parvifructa* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1579 (1988 publ. 1989)—Brazil.

*sipapoana* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1580 (1988 publ. 1989)—Venezuela.

*steyermarkii*  
subsp. *autanae* (Steyermark) J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1583 (1988 publ. 1989): S. *autanae*.

subsp. *jauaensis* (Steyermark) J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1582 (1988 publ. 1989): S. *jauaensis*.

*subpsilocarpa* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1583 (1988 publ. 1989)—Venezuela.

*wurdackii* J.A. Steyermark in Ann. Missouri Bot. Gard., 75(4): 1583 (1988 publ. 1989)—Venezuela.

*xichouensis* Feng ex Y. Tang & Y.C. Hsu in Bull. Bot. Res. North-East. Forest. Inst., 8(3): 97 (1988)—China.

**SMALLANTHUS** (Compos.).

*obscurus* B.L. Turner in Phytologia, 64(6): 406 (1988)—Mexico.

**SMELOWSKIA** (Crucif.).

*inopinata*  
subsp. *pseudoalba* V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 149: 33 (1988)—U.S.S.R. (Soviet Far East).

**SMILACINA** (Convallariac.).

subsect. *Dioica* H. Hara in J. Fac. Sci. Univ. Tokyo, Bot., 14(2): 139 (1987).

sect. *Tubifera* H. Hara in J. Fac. Sci. Univ. Tokyo, Bot., 14(2): 139 (1987).

*bifolia* (L.) Ker in J. Sci. Arts, 1: 182 (1816); cf. D.J. Mabberley in Taxon, 31(1): 72 (1982): Basionym not stated.

*purpurea*  
f. *albiflora* (Wall.) H. Hara in J. Fac. Sci. Univ. Tokyo, Bot., 14(2): 147 (1987): S. *purpurea* *albiflora*.

*racemosa*  
subsp. *amplexicaulis* (Nutt.) J. McNeill in Nat. Canad., 108(3): 240 (1981): S. *amplexicaulis*.

*tatsienensis*  
f. *stenoloba* (Franch.) H. Hara in J. Fac. Sci. Univ. Tokyo, Bot., 14(2): 155 (1987): *Tovaria stenoloba*.

**SMILAX** (Smilacac.).

*aculeatissima* J.G. Conran in Fl. Australia, 46: 231, 187 (1986)—Australia (Queensland).

*austrozhejiangensis* Q. Lin in Acta Phytotax. Sin., 28(1): 71 (1990), as 'austro-zhejiangensis'—China.

*lushuiensis* S.C. Chen in Acta Phytotax. Sin., 26(2): 142 (1988)—China.

*rigida* Soland. in Russell, Aleppo, ed. 2, 2: 271 (1794); cf. D.J. Mabberley in Taxon, 31(1): 72 (1982)—Locality not stated.

*umbrosa* J.M. Xu in Bull. Bot. Res. North-East. Forest. Inst., 6(2): 67 (1986)—China.

**SMYRNIUM** (Umbellif.).

*perfoliatum*  
subsp. *rotundifolium* (Miller) P. Hartvig in A. Strid (ed.), Mount. Fl. Greece, 1: 672 (1986): S. *rotundifolium*.

**SMYTHEA** B.C. Seeman in Bonplandia, 10(5): 69, t. 9 (15 March 1862). **RHAMNACEAE**.†

*pacifica* B.C. Seeman in Bonplandia, 10(5): 69, t. 9 (15 March 1862)—Fiji.†

×**SOBENNIGRAECUM** hort. in Orchid Rev., 94(1107): centre page pull-out p. 8 (1986). **ORCHIDACEAE**. (Angraecum × Sobennikoffia).

**SOBRALIA** (Orchidac.).

*oliva-estevae* G. Carnevali & I. Ramirez in Ann. Missouri Bot. Gard., 77(3): 556 (1990)—Venezuela, Guyana.



**SOCRATEA** (Palmae).

- hecatonandra (*Dugand*) *R. Bernal-Gonzalez* in *Kew Bull.*, 41(1): 152 (1986): *Metasocratea* hecatonandra.  
montana *R. Bernal-González* & *A. Henderson* in *Brittonia*, 38(1): 55 (1986)—Colombia.

**SOLANECIO** (Compos.).

- angulatus (*Vahl*) *C. Jeffrey* in *Kew Bull.*, 41(4): 922 (1986): *Cacalia* angulata.  
biafrae (*Oliv.* & *Hiern*) *C. Jeffrey* in *Kew Bull.*, 41(4): 922 (1986): *Senecio* biafrae.  
buchwaldii (*O. Hoffm.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* buchwaldii.  
cydoniifolius (*O. Hoffm.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* cydoniifolius.  
epidendricus (*Mattf.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* epidendricus.  
gigas (*Vatke*) *C. Jeffrey* in *Kew Bull.*, 41(4): 923 (1986): *Senecio* gigas.  
goetzei (*O. Hoffm.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* goetzei.  
gymnocarpus *C. Jeffrey* in *Kew Bull.*, 41(4): 920 (1986)—Tanzania.  
gynuroides *C. Jeffrey* in *Kew Bull.*, 41(4): 923 (1986)—Uganda.  
kanzibiensis (*Hubert* & *Staner*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* kanzibiensis.  
mannii (*Hook. f.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 922 (1986): *Senecio* mannii.  
mirabilis (*Muschl.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* mirabilis.  
nandensis (*S. Moore*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* nandensis.  
tuberosus (*Sch. Bip. ex A. Rich.*) *C. Jeffrey* in *Kew Bull.*, 41(4): 921 (1986): *Senecio* tuberosus.

**SOLANUM** (Solanac.).

- sect. *Allophyllum* (*Child*) *L. Bohs* in *Ann. Missouri Bot. Gard.*, 77(2): 401 (1990): *Cyphomandra* sect. *Allophylla*.  
ser. *Anarrichomenum* (*Bitter*) *A. Child* in *Feddes Repert.*, 101(5–6): 222, 221 (1990): *S.* sect. *Anarrichomenum*.  
subser. *Andreana* (*Hawkes*) *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 101 (1989).  
subser. *Angustisecta* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 101 (1989).  
sect. *Articulatum* (*Correll*) *A. Child* in *Feddes Repert.*, 101(5–6): 221 (1990): *S.* ser. *Articulatum*.  
subser. *Berthaultiana* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 105 (1989).  
ser. *Bukasoviana* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 100 (1989).  
ser. *Chomatophylla* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 95 (1989).  
subser. *Collina* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 104 (1989).  
ser. *Eriopersicon* (*C.H. Muller*) *A. Child* in *Feddes Repert.*, 101(5–6): 223 (1990), without basionym page: *Lycopersicon* subgen. *Eriopersicon*.  
subsect. *Estolonifera* *J.G. Hawkes* in *Taxon*, 38(3): 490 (1989).  
sect. *Etuberosum* (*Juz. ex Buk.* & *Kameraz.*) *A. Child* in *Feddes Repert.*, 101(5–6): 218 (1990): *S.* ser. *Etuberosum*.  
sect. *Glaucophyllum* *A. Child* in *Feddes Repert.*, 97(3–4): 144 (1986).  
subser. *Latisecta* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 101 (1989).  
ser. *Lignicaulia* *J.G. Hawkes* in *Taxon*, 38(3): 490 (29 Aug 1989).  
ser. *Lignicaulia* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 104 (9 Aug 1989).  
subsect. *Lycopersicoides* *A. Child* in *Feddes Repert.*, 101(5–6): 224 (1990).  
subser. *Multidissecta* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 102 (1989).  
ser. *Neolycopersicon* (*Correll*) *A. Child* in *Feddes Repert.*, 101(5–6): 224 (1990): *S.* sect. *Neolycopersicon*.

**SOLANUM** :—

- ser. *Pyriformia* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 100 (1989).  
subser. *Regularifolia* *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 102 (1989).  
subser. *Rotata* *J.G. Hawkes* in *Taxon*, 38(3): 491 (1989).  
ser. *Simpliciora* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 105 (1989).  
ser. *Simplicissima* *C.M. Ochoa* in *Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 321 (1989).  
subser. *Stellata* *J.G. Hawkes* in *Taxon*, 38(3): 490 (1989).  
subser. *Virgultoria* *Buk.* & *L.E. Gorbatenko* in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Sele.*, 126: 103 (1989).  
abitaquense *S. Knapp* in *Brittonia*, 38(3): 290 (1986)—Ecuador, Peru.  
abollatum *H. St. John* in *Phytologia*, 64(3): 169 (1988); *et* *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 5 (1988)—Hawaiian Is.  
×ajanhuii  
f. *jancko-ajanhuii* *C.M. Ochoa* in *Phytologia*, 65(2): 103 (1988)—Bolivia.  
var. *yari* *C.M. Ochoa* in *Phytologia*, 65(2): 103 (1988)—Bolivia.  
americanum  
subsp. *nodiflorum* (*Jacq.*) *R.J.F. Henderson* in *Austrobaileya*, 2(5): 555 (1988): *S.* *nodiflorum*.  
subsp. *nutans* (*R. Henderson*) *R.J.F. Henderson* in *Austrobaileya*, 2(5): 555 (1988): *S.* *nodiflorum* subsp. *nutans*.  
amnicola *S. Knapp* in *Brittonia*, 38(3): 295 (1986)—Peru.  
anguivi  
var. *multiflora* (*Roth ex Roem.* & *Schultes*) *V. Chithra* in *A.N. Henry, G.R. Kumari* & *V. Chithra*, *Fl. Tamil Nadu, India, Ser. 1*, 2: 115 (1987): *S.* *multiflorum*.  
angustior *H. St. John* in *Phytologia*, 64(3): 169 (1988); *et* *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 5 (1988)—Hawaiian Is.  
astleyi *J.G. Hawkes* & *J.P. Hjerting* in *Kew Bull.*, 42(2): 436 (1987)—Bolivia.†  
aymaraeense *C. Ochoa* in *Phytologia*, 64(1): 36 (1987)—Peru.  
badilloi *C.E. Benítez de Rojas* in *Ernstia*, 44: 1 (1987)—Venezuela.  
bahianum *S. Knapp* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 19: 109 (1989)—Brazil.  
batatus (*L.*) *A. Aikman* in *H. Barham, Hort. Amer.*: 222, 153 (1794); *cf. D.J. Mabberley* in *Taxon*, 30(1): 13 (1981): *Convolvulus* *batatus*.  
bellum *S. Knapp* in *Brittonia*, 38(3): 294 (1986)—Ecuador.  
callicarpifolium *Kunth* & *Bouché*, *Ind. Sem. Hort. Bot. Berol.*, 1845: 10 (1845); *Ann. Sci. Nat. Sér. III*, 5: 355 (1846); *cf. D.J. Mabberley* in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
×chaucha  
var. *cooe-sulla* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Peru, Bolivia.  
var. *ckati* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
var. *khyllu* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
var. *puca-suitu* *C.M. Ochoa* in *Phytologia*, 65(2): 108 (1988)—Peru, Bolivia.  
var. *surimana* *C.M. Ochoa* in *Phytologia*, 65(2): 108 (1988)—Bolivia.  
cheesmaniae (*Riley*) *F.R. Fosberg* in *Phytologia*, 62(3): 181 (1987): *Lycopersicon* *cheesmanii*.  
chillonanum *C.M. Ochoa* in *Phytologia*, 67(3): 235 (1989), nom. nov.: *S. tenellum* *Ochoa*.  
circaeifolium  
subsp. *quimense* *J.G. Hawkes* & *J.P. Hjerting* in *Kew Bull.*, 42(2): 436 (1987)—Bolivia.†  
concareense *A.T. Hunziker* in *Kurtziana*, 20: 190 (1989)—Argentina.  
corniculatum *Huber*, *Cat. Print.* 1865: 9 (1865); *cf. D.J. Mabberley* in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
cucullatum *S. Knapp* in *Brittonia*, 38(3): 292 (1986)—Ecuador.

**SOLANUM** :—

- darienense *S. Knapp* in *Ann. Missouri Bot. Gard.*, 73(4): 738 (1986 publ. 1987)—Panama.  
dolosum *Morton ex S. Knapp* in *Ann. Missouri Bot. Gard.*, 73(4): 742 (1986 publ. 1987)—Colombia.  
donachui *C. Ochoa* in *Phytologia*, 59(7): 461 (1986)—Colombia.  
erosomarginatum *S. Knapp* in *Brittonia*, 38(3): 273 (1986)—Venezuela.  
extremiorientale *M.S. Ignatov* in *Byull. Mosk. Obshch. Ispyt. Priro.*, Biol., 91(3): 113 (1986)—U.S.S.R. (Soviet Far East).  
falconense *S. Knapp* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 19: 103 (1989)—Venezuela.  
flavescens *M.F. Dunal* in *J.L.M. Poir.*, *Encycl. Method.*, Bot., Supp. 3: 778 (1814)—Trinidad.†  
foetens *Pittier ex S. Knapp* in *Brittonia*, 38(3): 275 (1986)—Venezuela.  
forbesii *H. St. John* in *Phytologia*, 64(3): 169 (1988); *et* *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 6 (1988)—Hawaiian Is.  
globosum *H. St. John* in *Phytologia*, 64(3): 169 (1988); see also *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 7 (1988)—Hawaiian Is.  
glutinosum *M.F. Dunal* in *J.L.M. Poir.*, *Encycl. Method.*, Bot., Supp. 3: 769 (1814)—Locality not stated.†  
gonyrhachis *S. Knapp* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 19: 105 (1989)—Bolivia.  
gourlayi  
subsp. *saltense* *A.M. Clausen* & *K.A. Okada* in *Phytologia*, 62(3): 166 (1987)—Argentina.  
guzmanguense *M.D. Whalen* & *A. Sagastegui* in *Brittonia*, 38(1): 9 (1986)—Peru.  
haematocarpum *Huber*, *Cat. Gén.* 1871 & 1872: 5 (1871); *cf. D.J. Mabberley* in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
herthae (*Werdem.*) *W.G. D'Arcy* in *Solanaceae Newsl.*, 2(4): 31 (1986): *Peliandra* *herthae*.  
hondelmannii *J.G. Hawkes* & *J.P. Hjerting* in *Kew Bull.*, 42(2): 436 (1987)—Bolivia.†  
honopuense *H. St. John* in *Phytologia*, 64(3): 170 (1988); *et* *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 9 (1988)—Hawaiian Is.  
hoopesii *J.G. Hawkes* & *K.A. Okada* in *Phytologia*, 64(5): 325 (1988)—Bolivia.  
imbaburens *S. Knapp* in *Bull. Brit. Mus. (Nat. Hist.)*, Bot., 19: 94 (1989)—Ecuador.  
incahuasinum *C. Ochoa* in *Kurtziana*, 12–13: 183 (1979)—Peru.  
×juzepeczukii  
f. *ck'oyu-ckaisalla* *C.M. Ochoa* in *Phytologia*, 65(2): 106 (1988)—Bolivia.  
f. *janck'o-ckaisalla* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
var. *lucki* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
f. *lucki-pechuma* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
f. *lucki-pinkula* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
f. *wila-ckaisalla* *C.M. Ochoa* in *Phytologia*, 65(2): 107 (1988)—Bolivia.  
lanaiense *H. St. John* in *Phytologia*, 64(3): 170 (1988); *et* *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 12 (1988)—Hawaiian Is.  
lasiocarpum  
var. *domesticum* *C.B. Heiser* in *W.G. D'Arcy*, *Solanaceae: biol. & syst.*: 413 (1986)—Cultivation ex Thailand.  
lasiocladum *S. Knapp* in *Brittonia*, 38(3): 278 (1986)—Venezuela.  
linnaeanum *F.N. Hepper* & *P.-M.L. Jaeger* in *Kew Bull.*, 41(2): 435 (1986)—South Africa (Cape Province).  
longiusculus *C. Ochoa* in *Phytologia*, 63(5): 329 (1987)—Peru.  
lucens *S. Knapp* in *Brittonia*, 38(3): 280 (1986)—Venezuela, Colombia.  
lydgatei *H. St. John* in *Phytologia*, 64(3): 170 (30 Jan 1988)—Hawaiian Is.  
lydgatei *H. St. John*, *Native Hawaiian sp. Solanum* (*Hawaiian Pl. Stud.* 82): 13 (June 1988)—Hawaiian Is.  
lyratum *C.P. Thunberg ex A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 224 (1784)—Japan.†

## SOLANUM :—

- macdanielisii *H. St. John in Phytologia*, 64(3): 170 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 14 (1988)—Hawaiian Is.
- macranthum *M.F. Dunal in J.L.M. Poirer, Encycl. Méthod., Bot.*, Supp. 3: 775 (1814)—Brazil.†
- mahoriensis *W.G. D'Arcy & A. Rakotozafy in Ann. Missouri Bot. Gard.*, 73(2): 498 (1986)—Madagascar.
- malacothrix *S. Knapp in Brittonia*, 38(1): 89 (1986)—Mexico.
- mapiricum *S. Knapp in Brittonia*, 38(3): 299 (1986)—Bolivia.
- matehualae *J.P. Hjerting & T.R. Tarn in Phytologia*, 65(2): 116 (1988)—Mexico.
- melongena  
   *subsp. agreste S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), as 'agrestis'—India.  
   *var. angustum S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), as 'angusta'—India.  
   *var. cylindricum S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), as 'cylindrica'—India.  
   *var. giganteum (Alef.) S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), without basionym ref. but name same as avowed basionym: *S. melongena gigantea*.  
   *var. globosi S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 106 (1984)—Vietnam.  
   *var. leucum (Alef.) S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), name same as avowed basionym: *S. melongena leucum*.  
   *var. racemiflorum S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), as 'racemiflora'—India.  
   *var. racemosum S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), as 'racemosa'—India.  
   *var. stenoleucum (Alef.) S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 104 (1984), name same as avowed basionym: *S. melongena stenoleuca*.  
   *var. variegatum (Alef.) S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), name same as avowed basionym: *S. melongena variegata*.  
   *var. violaceum (Alef.) S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 105 (1984), name same as avowed basionym: *S. melongena violacea*.  
   *var. viride S.P. Dikii in Trudy Prikl. Bot. Genet. Selekt.*, 88: 104 (1984), as 'viridis'—Malaya.
- morellifolium *L. Bohs in Ann. Missouri Bot. Gard.*, 77(2): 404 (1990)—Peru, Bolivia.
- mortonii *A.T. Hunziker in Kurtziana*, 12–13: 133 (1979)—Argentina.
- nelsoni  
   *var. vadosum H. St. John in Phytologia*, 64(3): 170 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 18 (1988)—Hawaiian Is.
- neovalenzuelae *L.E. López Jaramillo in Caldasia*, 14(68–70): 444 (1986)—Colombia.
- nesophilum *H. St. John in Phytologia*, 64(3): 170 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 18 (1988)—Hawaiian Is.
- ombrophilum *Pittier ex S. Knapp in Brittonia*, 38(3): 282 (1986)—Venezuela.
- phureja  
   *var. caeruleum C.M. Ochoa in Phytologia*, 65(2): 103 (1988), as 'caeruleus'—Bolivia.  
   *var. flavum C.M. Ochoa in Phytologia*, 65(2): 103 (1988)—Bolivia.  
   *var. janc'k'o-phureja C.M. Ochoa in Phytologia*, 65(2): 104 (1988)—Bolivia.  
   *f. orbiculatum C.M. Ochoa in Phytologia*, 65(2): 104 (1988), as 'orbiculata'—Bolivia.  
   *var. rubroroseum C.M. Ochoa in Phytologia*, 65(2): 104 (1988), as 'rubro-rosea'—Bolivia.  
   *var. sanguineum C.M. Ochoa in Phytologia*, 65(2): 103 (1988), as 'sanguineus'—Bolivia.  
   *f. sayhuanimayo C.M. Ochoa in Phytologia*, 65(2): 103 (1988)—Bolivia.  
   *f. timusi C.M. Ochoa in Phytologia*, 65(2): 104 (1988)—Bolivia.  
   *f. viuda C.M. Ochoa in Phytologia*, 65(2): 103 (1988)—Bolivia.

## SOLANUM :—

- physalifolium  
   *var. nitidibaccatum (Bitter) J.M. Edmonds in Bot. J. Linn. Soc.*, 92(1): 27 (1986); *S. nitidibaccatum*.
- plowmanii *S. Knapp in Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 104 (1989)—Peru.
- popolo *H. St. John in Phytologia*, 64(3): 171 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 19 (1988)—Hawaiian Is.
- pubinervosum *H. St. John in Phytologia*, 64(3): 171 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 21 (1988)—Hawaiian Is.
- restingae *S. Knapp in Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 109 (1989)—Brazil.
- richardii *M.F. Dunal in J.L.M. Poirer, Encycl. Méthod., Bot.*, Supp. 3: 775 (1814)—Locality not stated.†
- ruizii *S. Knapp in Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 91 (1989), nom. nov.: *S. lanceolatum Ruiz López & Pavón*.
- santosii *S. Knapp in Bull. Brit. Mus. (Nat. Hist.) Bot.*, 19: 106 (1989)—Brazil.
- sarasarae *C. Ochoa in Phytologia*, 64(4): 245 (1988)—Peru.
- semilobatum *H. St. John in Phytologia*, 64(3): 171 (1988)—Hawaiian Is.
- semilobatum *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 23 (1988), nom. nov., as 'sp. nov.': *S. incompletum var. mauiese Hillebr.*
- sessiliflorum *M.F. Dunal in J.L.M. Poirer, Encycl. Méthod., Bot.*, Supp. 3: 775 (1814)—Brazil.†
- simplicissimum *C.M. Ochoa in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 321 (1989)—Peru.
- spirale  
   *var. tetrasepalum H. Chu in Acta Sci. Nat. Univ. Sunyatseni*, 28(2): 67 (1989)—China.
- stenotomum  
   *f. alkka-phinu C.M. Ochoa in Phytologia*, 65(2): 104 (1988), as 'alkka-phiñu'—Bolivia.  
   *f. alkka-pitiquina C.M. Ochoa in Phytologia*, 65(2): 105 (1988), as 'alkka-pitiquiña'—Bolivia.  
   *var. ari-chuwa C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *f. azureo-ckati C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *f. chiar-ckati C.M. Ochoa in Phytologia*, 65(2): 104 (1988)—Bolivia.  
   *f. chiar-phinu C.M. Ochoa in Phytologia*, 65(2): 104 (1988), as 'chiar-phiñu'—Bolivia.  
   *var. chojllu C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *f. churi-puya C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *f. janc'k'o-chojllu C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *var. kkamara C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *f. kkarachi-pampa C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *f. laram C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *var. luru C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *f. pacajes C.M. Ochoa in Phytologia*, 65(2): 104 (1988)—Bolivia.  
   *f. phiti-kalla C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *var. pitiquina C.M. Ochoa in Phytologia*, 65(2): 105 (1988), as 'pitiquiña'—Bolivia.  
   *f. pulu-wayk'u C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *f. quime C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.  
   *f. wila-chojllu C.M. Ochoa in Phytologia*, 65(2): 105 (1988)—Bolivia.  
   *var. zapallo C.M. Ochoa in Phytologia*, 65(2): 106 (1988)—Bolivia.
- tanysepalum *S. Knapp in Brittonia*, 38(3): 284 (1986)—Venezuela.
- tarnii *J.G. Hawkes & J.P. Hjerting in Phytologia*, 65(2): 114 (1988)—Mexico.
- tenellum *C. Ochoa in Phytologia*, 63(6): 455 (1987), homonym see *G. Bitter in Fedde Repert.*, 11: 219 (1912)—Peru.

## SOLANUM :—

- tenuiflagellatum *Bitter ex S. Knapp in Brittonia*, 38(3): 286 (1986)—Venezuela.
- toliaaraea *W.G. D'Arcy & A. Rakotozafy in Ann. Missouri Bot. Gard.*, 76(1): 351 (1989)—Madagascar.
- tonsum *H. St. John in Phytologia*, 64(3): 171 (1988); et *H. St. John, Native Hawaiian sp. Solanum* (Hawaiian Pl. Stud. 82): 24 (1988)—Hawaiian Is.
- triflorum  
   *f. malvinum J.E. De Langhe & R. D'hose in Bull. Soc. Roy. Bot. Belg.*, 119(2): 160 (1986 publ. 1987)—Belgium.
- tuberosum  
   *f. alkka-imilla C.M. Ochoa in Phytologia*, 65(2): 108 (1988)—Bolivia.  
   *f. alkka-silla C.M. Ochoa in Phytologia*, 65(2): 113 (1988)—Bolivia.  
   *f. amajaya C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. azul-runu C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Bolivia.  
   *f. chiar-lelekkoya C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *f. chiar-pala C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. chojo-sajama C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. huaca-zapato C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. huichinkka C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *f. isla-imilla C.M. Ochoa in Phytologia*, 65(2): 108 (1988)—Bolivia.  
   *f. janc'k'o-kkoyllu C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. janc'k'o-chockella C.M. Ochoa in Phytologia*, 65(2): 108 (1988)—Bolivia.  
   *f. janc'k'o-pala C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. kunurana C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. laram-lelekkoya C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *var. lelekkoya C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *var. malcachu C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *f. milagro C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *var. muru'kewillu C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Peru, Bolivia.  
   *f. nigrum C.M. Ochoa in Phytologia*, 65(2): 108 (1988)—Bolivia.  
   *f. overita C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. pulo C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Bolivia.  
   *var. runa C.M. Ochoa in Phytologia*, 65(2): 111 (1988)—Bolivia.  
   *f. sani-imilla C.M. Ochoa in Phytologia*, 65(2): 108 (1988)—Bolivia.  
   *var. sicha C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Bolivia.  
   *var. sipancachi C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Bolivia.  
   *f. surico C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *var. taraco C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Bolivia.  
   *f. tinguipaya C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. wila-huaycku C.M. Ochoa in Phytologia*, 65(2): 110 (1988)—Bolivia.  
   *f. wila-imilla C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. wila-k'oyu C.M. Ochoa in Phytologia*, 65(2): 112 (1988)—Locality not stated.  
   *f. wila-monda C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. wila-pala C.M. Ochoa in Phytologia*, 65(2): 109 (1988)—Bolivia.  
   *f. yurac-taraco C.M. Ochoa in Phytologia*, 65(2): 113 (1988)—Bolivia.
- turgidum *S. Knapp in Brittonia*, 38(3): 288 (1986)—Venezuela.
- ugentii *J.G. Hawkes & K.A. Okada in Phytologia*, 64(5): 327 (1988)—Bolivia.

**SOLANUM** :-

- unifoliatum *S. Knapp in Ann. Missouri Bot. Gard.*, 73(4): 739 (1986 publ. 1987)—Colombia.  
 vaillantii *M.F. Dunal in J.L.M. Poiret, Encycl. Méthod., Bot., Suppl.* 3: 772 (1814)—Locality not stated.†  
 verrucosum *Schlecht., Ind. Sem. Hort. Acad. Hal.*, 1839; *Linnaea* 14, Lit.: 129 (?1841); cf. *D.J. Mabberley in Taxon*, 32(1): 86 (1983)—Locality not stated.  
 ×viirsooi *K.A. Okada & A.M. Clausen in Euphytica*, 34(1): 227 (1985)—Argentina. (S. acaule subsp. acaule × infundibuliforme).  
 warzewiczoides *Huber, Cat. Graines* 1870: 3 (1870); *Wochenschrift*, 13: 181 (1870); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.  
 yanamonense *S. Knapp in Brittonia*, 38(3): 298 (1986)—Peru.

**SOLDANELLA** (Primulac.).

- ser. Pindicae *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 22 (1985).  
 ser. Pusillae *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 32 (1985).  
 alpicola *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 34 (1985)—Austria, Switzerland, Italy, Yugoslavia.  
 calabrella *A. Kress, Primulac.-Stud.*, 8: 24 (1988)—Italy.  
 cyanaster *O. Schwarz ex F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 8 (1985)—Bulgaria.  
 macedonica *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 23 (1985)—Yugoslavia.  
 pelia *T. Raus in Willdenowia*, 16(2): 337 (1987)—Greece.  
 pirinica *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 36 (1985)—Bulgaria.  
 pseudomontana *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 15 (1985)—Romania, Czechoslovakia.  
 pusilla  
   subsp. alpicola (*F.K. Meyer*) *J. Chrték in Čas. Nár. Muz. (Prague)*, 154(3-4): 170 (1985 publ. 1989): S. alpicola.  
   subsp. pirinica (*F.K. Meyer*) *J. Chrték in Čas. Nár. Muz. (Prague)*, 154(3-4): 170 (1985 publ. 1989): S. pirinica.  
 rhodopaea *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 25 (1985)—Bulgaria.  
 stiriaca *F.K. Meyer in Haussknechtia, Mitt. Thüring. Bot. Ges.*, 2: 20 (1985)—Austria.

**SOLENA** (Cucurbitac.).

- delavayi (*Cogn.*) *C.Y. Wu in Fl. Xizangica*, 4: 553 (1985): *Melothria delavayi*.

**SOLENANTHUS** (Boraginac.).

- hupehensis *R.R. Mill in Notes Roy. Bot. Gard. Edinburgh*, 44(2): 271 (1987)—China.

**SOLENIDIOPSIS** *K. Senghas in Orchidee*, 37(6): 274 (1986). **ORCHIDACEAE**.

- flavobrunnea *K. Senghas in Orchidee*, 40(6): 206 (1989)—Peru.  
 tigroides (*C. Schweinf.*) *K. Senghas in Orchidee*, 37(6): 274 (1986): *Odontoglossum tigroides*.

**SOLENOCENTRUM** (Orchidac.).

- lueri *C.H. Dodson & R. Vásquez Ch. in Ic. Pl. Trop.*, Ser. 2, 3: t. 300 (1989)—Bolivia.

**SOLIDAGO** (Compos.).

- ericamerioides *G.L. Nesom in Phytologia*, 67(2): 143 (1989)—Mexico.  
 glutinosa  
   var. chlorolepis (*Fern.*) *G.S. Ringius in Taxon*, 36(1): 157 (1987): S. chlorolepis.  
   var. ontarioensis *G.S. Ringius in Phytologia*, 62(5): 432 (1987)—Canada (Ontario).  
 gypsophila *G.L. Nesom in Phytologia*, 67(2): 142 (1989)—Mexico.  
 hintoniurum *G.L. Nesom in Phytologia*, 67(2): 145 (1989)—Mexico.  
 juliae *G.L. Nesom in Phytologia*, 67(6): 445 (1989)—U.S.A. (Texas), Mexico.

**SOLIDAGO** :-

- macvaughii *G.L. Nesom in Phytologia*, 67(4): 301 (1989)—Mexico.  
 nemoralis  
   subsp. haleana (*Fern.*) *G.W. Douglas in Canad. J. Bot.*, 64(11): 2726 (1986): S. nemoralis var. haleana.  
   subsp. longipetiolata (*Mack. & Bush*) *G.W. Douglas in Canad. J. Bot.*, 64(11): 2726 (1986): S. longipetiolata.  
 ouachitensis *C.E.S. & R.J. Taylor in Sida*, 11(3): 334 (1986)—U.S.A. (Oklahoma, Arkansas).  
 rigida  
   subsp. glabrata (*Braun*) *S.B. Heard & J.C. Semple in Canad. J. Bot.*, 66(9): 1807 (1988): S. rigida var. glabrata.  
   subsp. humilis (*Porter*) *S.B. Heard & J.C. Semple in Canad. J. Bot.*, 66(9): 1805 (1988): S. rigida var. humilis.  
 virgaurea  
   subsp. fallit-tirones (*Font Quer*) *S. Rivas-Martínez, F. Fernández González & D. Sánchez-Mata in Opusc. Bot. Pharm. Complutensis*, 2: 118 (1986): S. virgaurea var. fallit-tirones.  
 wrightii  
   var. orientalis *G.L. Nesom in Phytologia*, 67(2): 147 (1989)—Mexico.

**SOLIVA** (Compos.).

- anthemifolia (*A. Juss.*) *Sweet, Hort. Brit.*: 243 (1827); cf. *D.J. Mabberley in Taxon*, 30(1): 17 (1981): Basionym not stated.  
 stolonifera (*Pers.*) *R. Br. ex Sweet, Hort. Brit.*: 243 (1827); cf. *D.J. Mabberley in Taxon*, 30(1): 17 (1981): Basionym not stated.

**SONCHUS** (Compos.).

- tenerrimus  
   subvar. dianae (*Lacaita ex Willk.*) *O. de Bolòs & J. Vigo in Folia Bot. Misc.*, 6: 86 (1989), without exact basionym date: S. dianae.  
   subvar. pectinatus (*DC.*) *O. de Bolòs & J. Vigo in Folia Bot. Misc.*, 6: 86 (1989): S. pectinatus.

**SONDOTTIA** *P.S. Short in Muelleria*, 7(1): 113 (1989). **COMPOSITAE**.

- connata (*W.V. Fitzg.*) *P.S. Short in Muelleria*, 7(1): 114 (1989): *Angianthus connatus*.  
 glabrata *P.S. Short in Muelleria*, 7(1): 115 (1989)—Australia (W. Australia).

**SONERILA** (Melastomatac.).

- cannanorensis *G.S. Giri & M.P. Nayar in Bull. Bot. Surv. India*, 27(1-4): 86 (1985 publ. 1987)—India.  
 dharui *Ved Prakash & B.N. Mehrotra in Candollea*, 43(1): 143 (1988)—India.  
 elegans  
   var. beddomei *G.S. Giri & M.P. Nayar in Bull. Bot. Surv. India*, 27(1-4): 72 (1985 publ. 1987)—India.  
 kanniyakumariana *R. Gopalan & A.N. Henry in J. Bombay Nat. Hist. Soc.*, 86(1): 82 (1989)—India.  
 neodriessenoides *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(3): 283 (1989 publ. 1990)—Vietnam.  
 sadasivani  
   var. kanniyakumariensis *G.S. Giri & M.P. Nayar in Bull. Bot. Surv. India*, 26(3-4): 189 (1984 publ. 1986)—India.  
 sahyadrica *G.S. Giri & M.P. Nayar in Bull. Bot. Surv. India*, 26(3-4): 175 (1984 publ. 1986)—India.  
 talbotii *G.S. Giri & M.P. Nayar in J. Jap. Bot.*, 61(11): 344 (1986)—India.  
 tuberosa *C. Hansen in Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(3): 284 (1989 publ. 1990)—Cambodia.

**SONNERATIA** (Melastomatac.).

- caseolaris (*L.*) *A. Engler, Pflanzenwelt Ost-Afr.*, C: 286 (1895): *Rhizophora caseolaris*.

**SOPHRONITIS** (Orchidac.).

- mantiqueirae  
   var. pygmaea (*Pabst*) *J.A. Fowlie in Orchid Dig.*, 51(1): 34 (1987): S. coccinea subsp. pygmaea.

**SORBARIA** (Rosac.).

- tomentosa  
   var. angustifolia (*Wenzig*) *K. Rahn in Nordic J. Bot.*, 8(6): 561 (1989): *Spiraea sorbifolia* var. angustifolia.

**SORBUS** (Rosac.).

- sect. Duales *T.I. Zaikonnikova in Bot. Zhurn.*, 71(6): 813 (1986).  
 subsect. Lucidae *T.I. Zaikonnikova in Bot. Zhurn.*, 71(6): 814 (1986).  
 alnifolia  
   var. angulata *S.B. Liang in Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 69 (1990)—China.  
 aria  
   subsp. mougeotii (*Soyer-Will. & Godr.*) *O. de Bolòs & J. Vigo, Fl. Paisos Catalans*: 413 (1984): S. mougeotii.  
 aucuparia  
   f. flavescensmarginata *J. Jalas in Ann. Bot. Fenn.*, 27(1): 91 (1990)—Finland.  
 croceocarpa *P.D. Sell in Watsonia*, 17(4): 392 (1989)—Great Britain.  
 formosanus (*Koidz.*) *S.S. Ying, Coloured Illustr. Fl. Taiwan*, 1: 354 (1985): *Macromeles formosana*.  
 guanxianensis *T.C. Ku in Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 22 (1990)—China.  
 lanpingensis *L.T. Lu in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 51 (1989)—China.  
 pohuashanensis  
   var. amurensis (*Koehne*) *Y.L. Chou & S.L. Tung in Y.L. Chou, Lignous Fl. Heilongjiang*: 335 (1986): S. amurensis.  
 reducta  
   var. pubescens *L.T. Lu in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 52 (1989)—China.  
 rhombifolia *C.J. Qi & K.W. Liu in Acta Bot. Yunnanica*, 10(2): 254 (1988)—China.  
 scepusiensis *M. Kovanda in Willdenowia*, 16(1): 119 (1986)—Czechoslovakia.  
 ×thuringiaca  
   nothosubsp. boscii (*Vivant ex Gamisans*) *J. Lambinon & M. Kerguelen in Candollea*, 43(1): 406 (1988): S. × boscii.  
 yuana *S.A. Spongberg in J. Arnold Arbor.*, 67(2): 257 (1986)—China.

**SORGHASTRUM** (Gramin.).

- balansae (*Hackel*) *P.D. Davila in Ann. Missouri Bot. Gard.*, 76(4): 1171 (1989): *Sorghum balansae*.  
 incompletum  
   var. bipennatum (*Hackel*) *P.D. Davila in Ann. Missouri Bot. Gard.*, 76(4): 1171 (1989): *Andropogon bipennatus*.

**SORGHUM** (Gramin.).

- bicolor  
   var. saccharatum (*Pers.*) *B.N. Mehrotra, B.S. Aswal & B.S. Bisht, Companion to Chopra's Gloss. Indian Medicin. Pl.*: 143 (1987), without basionym ref.; but see also *Mohlenbrock, Illus. Fl. Illinois, Grasses, Panicum to Danthonia*: 193 (1973): S. saccharatum.  
 compactum (*Lam.*) *Lag., Elenchus*: 15 (1816); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982): Basionym not stated.  
 melanocarpum *Huber, Cat. Graines* 1868: 7 (1868); *Wochenschrift*, 11: 182 (1868); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Ethiopia.  
 nankinense *Huber, Cat. Graines* 1867: 6 (1867); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.  
 nitidum  
   subsp. dichroanthum (*Steudel*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 530 (1987): *Andropogon dichroanthus*.  
 tataricum *Huber, Cat. Graines* 1867: 6 (1867); cf. *D.J. Mabberley in Taxon*, 34(3): 451 (1985)—Locality not stated.

**SOTEROSANTHUS** *Lehmann ex R. Jenny in Orchidee*, 37(2): 73 (1986). **ORCHIDACEAE**.

- shepherdii (*Rolle*) *R. Jenny in Orchidee*, 37(2): 74 (1986): *Sievekingia shepherdii*.

**SOYMIDA** *A. Jussieu in Mirb. & Cass. apud Guill. in Bull. Sci. Nat. Geol.*, 23: 238 (1830); cf. *D.J. Mabberley in Taxon*, 31(1): 66 (1982). **MELIACEAE**.

**SOYMIDA** :-

febrifuga (Roxb.) A. Juss. in *Mém. Mus. Paris*, 19: 251 (1832); cf. D. J. Mabberley in *Taxon*, 31(1): 66 (1982); Swietenia febrifuga.

**SPANANTHE** (Umbellif.).

peruviana (Wolff) G. K. Müller in *Cat. Herb. Lipsiensis, Pl. Neotropicae*, 2: 70 (1989); S. paniculata var. peruviana.

**SPARGANIUM** (Sparganiac.).

emersum  
subsp. acaule (Beeby ex Macoun) C. D. K. Cook & M. S. Nicholls in *Bot. Helvetica*, 96(2): 257 (1986); S. simplex var. acaule.

erectum  
subsp. stoloniferum (F. Hamilton ex Graebner) C. D. K. Cook & M. S. Nicholls in *Bot. Helvetica*, 97(1): 21 (1987); S. ramosum subsp. stoloniferum.

eurycarpum  
subsp. coreanum (Léveillé) C. D. K. Cook & M. S. Nicholls in *Bot. Helvetica*, 97(1): 28 (1987); S. coreanum.

**SPARGANOPHORUS** (Compos.).

sparganophora (L.) C. Jeffrey in *Kew Bull.*, 43(2): 272 (1988); Ethulia sparganophora.

**SPARREA** A. T. Hunziker & N. Dottori in *Kurtziana*, 11: 35 (1978). **ULMACEAE**.

schippii (Standley) A. T. Hunziker & N. Dottori in *Kurtziana*, 11: 37 (1978); Celtis schippii.

**SPATHIPAPPUS** (Compos.).

chitralensis D. Podlech in *Fl. Iran.*, 158: 151 (1986)—Pakistan.

**SPATHIPHYLLUM** (Arac.).

bariense G. S. Bunting in *Phytologia*, 64(6): 480 (1988)—Venezuela.

liesneri T. B. Croat in *Aroideana*, 9(1-4): 171 (1986)—Venezuela.

mawarinumae G. S. Bunting in *Phytologia*, 64(6): 480 (1988)—Venezuela.

monachinoi  
var. perangustum G. S. Bunting in *Phytologia*, 64(6): 482 (1988)—Venezuela.

**SPATHOGLOTTIS** (Orchidac.).

smithii P. J. Kores in *Allertonia*, 5(1): 134 (1989)—Fiji.

**SPATHOLIRION** (Commelinac.).

elegans (Cherfils) C. Y. Wu in *Fl. Yunnanica*, 3: 685 (1983); Streptolirion elegans.

**SPERANSKIA** (Euphorbiac.).

yunnanensis S. M. Hwang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 38 (1989)—China.

**SPERGULA** (Caryophyllac.).

arvensis  
subsp. nana (E. F. Linton) D. McClintock in *Rep. Trans. Soc. Guern.*, 22(1): 111 (1986); S. arvensis var. nana.

rubra (L.) F. G. Bartling in *Linnaea*, 7: 625 (1832); Arenaria rubra.

**SPERGULARIA** (Caryophyllac.).

melanocaulos P. Baltasar Merino, *Algunas Pl. Rar. ... de La Guardia (Pontevedra)*: 26 (1895)—Spain.

**SPERMACOCE** (Rubiace.).

bahamensis (Britton) R. A. Howard in *Phytologia*, 65(4): 287 (1988); Borreria bahamensis.

berteroana R. A. Howard in *Phytologia*, 65(4): 287 (1988), nom. nov.; Borreria scandens DC.

bisepala B. Verdcourt in *Fl. Zambes.*, 5(1): 172 (1989)—Zimbabwe.

brachysepala (Urban) H. A. Liogier in H. A. Liogier & L. F. Martorell, *Fl. Puerto Rico & Adjac. Isl.*: *System. Synop.*: 249 (1982); Borreria brachysepala.

brittonii (Standley) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria brittonii.

buckleyi F. R. Fosberg in *Brittonia*, 40(1): 64 (1988)—Australia (Queensland).

**SPERMACOCE** :-

capillaris (Correll) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria capillaris.

densiflora (DC.) Alain H. Liogier in *Phytologia*, 64(5): 347 (1988); Borreria densiflora.

dispersa (Hook. f.) F. R. Fosberg in *Phytologia*, 62(3): 182 (1987); Borreria dispersa.

dussii (Standley) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria dussii.

ericaefolia (Hook. f.) F. R. Fosberg in *Phytologia*, 62(3): 182 (1987); Borreria ericaefolia.

everistiana F. R. Fosberg in *Brittonia*, 40(1): 61 (1988)—Australia (Queensland).

felis-insulae (Correll) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria felis-insulae.

inaguensis (Britton) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria inaguensis.

intricans (Hepper) H. M. Burkill in *Kew Bull.*, 41(4): 1006 (1986); Borreria intricans.

linearifolia (Hook. f.) F. R. Fosberg in *Phytologia*, 62(3): 182 (1987); Borreria linearifolia.

litoralis (Urb.) Alain H. Liogier in *Phytologia*, 64(5): 348 (1988); Borreria litoralis.

macrantha (Hepper) H. M. Burkill in *Kew Bull.*, 41(4): 1006 (1986); Borreria macrantha.

malabarica (Sivar. & Mani.) V. V. Sivarajan, R. Vasudevan Nair & T. U. Ahmed Kunju in *Proc. Indian Acad. Sci., Pl. Sci.*, 97(4): 355 (1987); Borreria malabarica.

nesiotica (Robinson) G. A. Levin in Levin & Moran, *Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist.* 16): 51 (1989); Borreria nesiotica.

perpusilla (Hook. f.) F. R. Fosberg in *Phytologia*, 62(3): 182 (1987); Borreria perpusilla.

princeae  
var. mwiniungae B. Verdcourt in *Fl. Zambes.*, 5(1): 180 (1989)—Zambia.

ramanii V. V. Sivarajan & R. V. Nair in *Taxon*, 35(2): 367 (1986)—India.

rosea (Urb.) Alain H. Liogier in *Phytologia*, 64(5): 348 (1988); Borreria rosea.

rotundifolia (Anderss.) F. R. Fosberg in *Phytologia*, 62(3): 183 (1987); Borreria rotundifolia.

samfya B. Verdcourt in *Fl. Zambes.*, 5(1): 186 (1989)—Zambia.

savannarum (Britton) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria savannarum.

saxicola (K. Schum.) H. M. Burkill in *Kew Bull.*, 41(4): 1006 (1986); Borreria saxicola.

schlechteri K. Schum. ex B. Verdcourt in *Fl. Zambes.*, 5(1): 180 (1989)—Mozambique.

sintenisii (Urb.) Alain H. Liogier in *Phytologia*, 64(5): 348 (1988); Borreria laevis var. sintenisii.

spermacocina (K. Schum.) D. M. Bridson & C. Puff in *Kew Bull.*, 44(1): 138 (1989); Paragophyton spermacocinum.

suberecta (Hook. f.) F. R. Fosberg in *Phytologia*, 62(3): 183 (1987); Borreria suberecta.

thymifolia (Griseb.) R. A. Howard in *Phytologia*, 65(4): 288 (1988); Borreria thymifolia.

**SPHAERADENIA** (Cyclanthac.).

pendula B. E. Hammel in *Phytologia*, 60(1): 11 (1986)—Costa Rica, Panama.

**SPHAERANTIA** Peter G. Wilson & B. P. M. Hyland in

Telopea, 3(2): 260 (1988). **MYRTACEAE**.

chartacea Peter G. Wilson & B. P. M. Hyland in *Telopea*, 3(2): 262 (1988)—Australia (Queensland).

discolor Peter G. Wilson & B. P. M. Hyland in *Telopea*, 3(2): 262 (1988)—Australia (Queensland).

**SPHAEROBAMBOS** S. Dransfield in *Kew Bull.*,

44(3): 428 (1989). **GRAMINEAE**.

hirsuta S. Dransfield in *Kew Bull.*, 44(3): 428 (1989)—Borneo (Sabah).

philippinensis (Gamble) S. Dransfield in *Kew Bull.*, 44(3): 432 (1989); Guadua philippinensis.

subtilis S. Dransfield in *Kew Bull.*, 44(3): 432 (1989)—Celebes.

**SPHAEROCORYNE** (Annonac.).

gracilis (Engl. & Diels) B. Verdcourt in *Kew Bull.*, 41(2): 295 (1986); Popowia gracilis.

subsp. engleriana (Exell & Mendonça) B. Verdcourt in *Kew Bull.*, 41(2): 295 (1986); Popowia engleriana.

**SPHAEROSACME** Wall. ex Royle, *Ill. Bot. Himal. Mts.*: 142 (1835); cf. D. J. Mabberley in *Blumea*, 31(1): 135 (1985). **MELIACEAE**. †

**SPHEDAMNOCARPUS** (Malpighiac.).

pruriens

subsp. galphimifolius (Juss.) P. D. de Villiers & D. J.

Botha in *Fl. S. Afr.*, 18(3): 67 (1986);

Acridocarpus galphimifolius.

**SPHENOPUS** (Gramin.).

divaricatus

subsp. permicranthus (Hausskn.) H. Scholz in

*Willdenowia*, 19(2): 410 (1990); S. gouanii var.

permicranthus.

**SPHENOSTEMON** (Sphenostemonac.).

sect. Apetalae (Steen.) C. G. G. J. van Steenis in *Fl.*

*Males.*, 10(2): 147 (1986); S. ser. Apetalae.

**SPHINGIPHILA** A. H. Gentry in *Syst. Bot.*, 15(2):

277 (1990). **BIGNONIACEAE**.

tetramera A. H. Gentry in *Syst. Bot.*, 15(2): 277

(1990)—Paraguay.

**SPHYROSPERMUM** (Ericac.).

campanulatum J. L. Luteyn in *Op. Bot.*, 92: 126

(1987)—Colombia.

dissimile (Blake) J. L. Luteyn in *Op. Bot.*, 92: 126

(1987), without basionym ref.: Vaccinium

dissimile.

distichum J. L. Luteyn in *Op. Bot.*, 92: 124 (1987)—

Colombia.

munchiqueense J. L. Luteyn in *Op. Bot.*, 92: 124

(1987)—Colombia.

**SPIGELIA** (Loganiac.).

cipoensis D. C. Zappi in *Bol. Bot. (São Paulo)*, 11: 88 (1989)—Brazil.

**SPILANTHES** (Compos.).

calva

var. oleracea (Jacq.) B. N. Mehrotra, B. S. Aswal &

B. S. Bisht, *Companion to Chopra's Gloss. Indian*

*Medicin. Pl.*: 143 (1987), without basionym ref.:

S. oleracea.

**SPINACIA** (Crucif.).

oleracea

var. bullata M. M. Girenko in *Kulturnaya Fl. SSSR*,

12: 107 (1988)—Cultivation U.S.S.R. ex

America, Europe.

subsp. orientalis M. M. Girenko in *Kulturnaya Fl.*

*SSSR*, 12: 107 (1988)—Cultivation U.S.S.R. ex

North Africa, Asia.

var. subspontanea M. M. Girenko in *Kulturnaya Fl.*

*SSSR*, 12: 108 (1988)—Cultivation U.S.S.R. ex

Nepal, India.

**SPINIFEX** (Gramin.).

dioicus F. Buchanan-Hamilton ex L. W. Dillwyn, *Rev.*

*Hortus Malab.*: 69 (1839); fide D. J. Mabberley in

*Taxon*, 26(5-6): 533 (1977)—India.

**SPIRADICLIS** (Rubiace.).

arunachalensis D. B. Deb & R. C. Rout in *Candollea*,

44(1): 225 (1989)—India, Assam, China.

baishaiensis X. X. Chen & W. L. Sha in *Bull. Bot. Res.*

*North-East. Forest. Inst.*, 8(3): 107 (1988)—China.

coccinea H. S. Lo in *Bull. Bot. Res. North-East. Forest.*

*Inst.*, 6(4): 38 (1986)—China.

guangdongensis H. S. Lo in *Acta Bot. Yunnanica*, 9(3):

299 (1987)—China.

hainanensis H. S. Lo in *Acta Bot. Yunnanica*, 9(3): 301

(1987)—Hainan.

howii H. S. Lo in *Bull. Bot. Res. North-East. Forest.*

*Inst.*, 6(4): 41 (1986)—China.

purpureoacerulea H. S. Lo in *Bull. Bot. Res. North-*

*East. Forest. Inst.*, 6(4): 39 (1986)—China.

seshagirii D. B. Deb & R. C. Rout in *Candollea*, 44(1):

227 (1989)—India.

umbelliformis H. S. Lo in *Bull. Bot. Res. North-East.*

*Forest. Inst.*, 6(4): 36 (1986)—China.

xizangensis H. S. Lo in *Bull. Bot. Res. North-East.*

*Forest. Inst.*, 6(4): 43 (1986)—Xizang.



**SPIRAEA** (Rosac.).

- arunachalensis *G. Panigrahi* & *K.M. Purohit* in *Bull. Bot. Surv. India*, 26(1-2): 83 (1984 publ. 1985)—India.
- callosa *C.P. Thunberg* ex *A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 471 (1784)—Japan.†
- chambaensis *K.M. Purohit* & *G. Panigrahi* in *Bull. Bot. Surv. India*, 25(1-4): 230 (1983 publ. 1985)—India.
- daochengensis *L.T. Lu* in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 49 (1989), as 'daochegensis'—China.
- darjeelingensis *G. Panigrahi* & *K.M. Purohit* in *Bull. Bot. Surv. India*, 26(1-2): 83 (1984 publ. 1985)—India, Sikkim.
- emarginata *K.M. Purohit* & *G. Panigrahi* in *Bull. Bot. Surv. India*, 26(1-2): 88 (1984 publ. 1985)—India.
- expansa *Wall. ex C. Koch* in *A. Br., Klotzsch & Bouché, App. Spec. Nov. Hort. Reg. Bot. Berol.*, 1853: 12 (1853); cf. *D.J. Mabberley* in *Taxon*, 33(3): 443 (1984)—Locality not stated.
- hemicyptophyta *A.J.C. Grierson* in *Notes Roy. Bot. Gard. Edinburgh*, 44(2): 262 (1987)—Sikkim, Nepal, Burma, Xizang, China.
- incisa *C.P. Thunberg* ex *A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 472 (1784)—Japan.†
- nayarii *K.M. Purohit* & *G. Panigrahi* in *Bull. Bot. Surv. India*, 26(1-2): 78 (1984 publ. 1985)—Sikkim.
- palmata *C.P. Thunberg* ex *A. Murray* in *Linnaeus, Syst. Veg.*, ed. 14: 472 (1784)—Japan.†
- panchananii *G. Panigrahi* & *K.M. Purohit* in *Bull. Bot. Surv. India*, 26(1-2): 80 (1984 publ. 1985)—India.
- × pseudosalicifolia *A.J. Silverside* in *Watsonia*, 18(2): 147 (1990)—Great Britain. (S. douglasii × salicifolia).
- raizadæ *G. Panigrahi* & *K.M. Purohit* in *M.R. Sharma & B.K. Gupta, Glimpses Pl. Sci.*: 39 (1986)—India.
- rhamniphylla *G. Panigrahi* & *K.M. Purohit* in *Bull. Bot. Surv. India*, 26(1-2): 76 (1984 publ. 1985)—India.
- × rosalba
- nothovar. rubella (*Dippel*) *A.J. Silverside* in *Watsonia*, 18(2): 149 (1990): S. rubella.
- schlothaueræ *V.N. Voroshilov* & *M.S. Ignatov* in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(1): 132 (1987)—U.S.S.R. (Soviet Far East).
- splendens
- var. rosea (*Gray*) *J.T. Kartesz* & *K.N. Gandhi* in *Phytologia*, 67(6): 464 (1989): S. betulifolia var. rosea.
- subdioica *K.M. Purohit* & *G. Panigrahi* in *Bull. Bot. Surv. India*, 26(1-2): 86 (1984 publ. 1985)—India.
- subrotundifolia *G. Panigrahi* & *K.M. Purohit* in *Bull. Bot. Surv. India*, 26(1-2): 88 (1984 publ. 1985)—Sikkim.
- tanguensis *K.M. Purohit* & *G. Panigrahi* in *Bull. Bot. Surv. India*, 26(1-2): 80 (1984 publ. 1985)—Sikkim.
- tomentulosa (*Yu*) *Y.Z. Zhao* in *Acta Sci. Nat. Univ. Intramongolicae*, 18(2): 289 (1987): S. mongolica var. tomentulosa.

**SPIRANTHES** (Orchidac.).

- infernalis *C.J. Sheviak* in *Rhodora*, 91(867): 226 (1989)—U.S.A. (Nevada).
- nebulorum *P.M. Catling* & *V.R. Catling* in *Rhodora*, 90(862): 139 (1988)—Mexico, Guatemala.

**SPODIOPOGON** (Gramin.).

- jainii *V.J. Nair, A.N. Singh* & *N.C. Nair* in *Curr. Sci.*, 50(16): 730 (1981)—India.

**SPONDIANTHUS** (Euphorbiac.).

- preussii
- subsp. glaber (*Engl.*) *J. Léonard* & *J. Nkounkou* in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 143 (1989): Spondianthus glaber.

**SPONGIOCARPELLA** *G.P. Yakovlev* & *N. Ulziikhumag* in *Bot. Zhurn.*, 72(2): 250 (1987). **LEGUMINOSAE.**

- grubovii (*Ulzi.*) *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 258 (1987): Oxytropis grubovii.
- intermedia *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 254 (1987)—Xizang.
- nubigena (*D. Don*) *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 252 (1987): Astragalus nubigenus.

**SPONGIOCARPELLA** :-

- subsp. kumaoensis *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 252 (1987)—Nepal, India.
- paucifoliolata *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 254 (1987)—China.
- polystichoides (*Hand.-Mazz.*) *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 258 (1987): Calophaca polystichoides.
- potaninii *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 259 (1987)—Xinjiang.
- purpurea (*P.C. Li*) *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 253 (1987): Chesneya purpurea.
- spinosa (*P.C. Li*) *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 259 (1987): Chesneya spinosa.
- yunnanensis *G.P. Yakovlev* in *Bot. Zhurn.*, 72(2): 256 (1987)—China.

**SPONGIOSPERMA** *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 48 (1987 publ. 1988), nom. nov.: Molongum sect. Trichosiphon Pichon (Apocynac.).

- catractarium *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 51 (1987 publ. 1988)—Venezuela.
- grandiflorum (*Huber*) *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 53 (1987 publ. 1988): Ambelania grandiflora.
- longilobum (*Markgraf*) *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 56 (1987 publ. 1988): Ambelania longiloba.
- macrophyllum (*Muell.-Arg.*) *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 58 (1987 publ. 1988): Ambelania macrophylla.
- oleifolium (*Monachino*) *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 62 (1987 publ. 1988): Ambelania oleifolia.
- riparium (*Monachino*) *J.L. Zarucchi* in *Agric. Univ. Wageningen Pap.*, 87(1): 65 (1987 publ. 1988): Ambelania oleifolia var. riparia.

**SPONIA** (Ulmac.).

- cuspidata (*Bl.*) *W. Theobald* in *F. Mason, Burmah*, ed. 3, 2: 278 (1883); cf. *D.J. Mabberley* in *Taxon*, 34(1): 155 (1985): Galumpita cuspidata.

**SPOROBOLUS** (Gramin.).

- exilis *S.A. Renvoize* in *Kew Bull.*, 42(4): 923 (1987)—Brazil.
- exilis (*Trin.*) *B. Balansa* in *L. Morot, Journal de Botanique*, 4: 164 (1890): Vilfa exilis.
- fertilis
- var. purpureosuffusus (*J. Ohwi*) *P.C. Keng* & *X.S. Shen* in *Acta Bot. Bor.-Occid. Sin.*, 5(2): 161 (1985): S. elongatus var. purpurea-suffusus.
- indicus
- subsp. pallidior (*T. Koyama*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 531 (1987): S. indicus var. pallidior.
- subsp. purpureosuffusus (*Ohwi*) *T. Koyama, Grasses of Japan & Neighbour. Regions*: 531 (1987): S. elongatus var. purpureo-suffusus.
- rigidifolius (*Trin.*) *Mez* ex *J.F. Veldkamp* in *Kew Bull.*, 45(3): 582 (1990): Vilfa rigidifolia.
- temomaiemensis *E.J. Judziewicz* & *P.M. Peterson* in *Syst. Bot.*, 14(4): 525 (1989)—Brazil, Surinam.

**SPOROXEIA** (Melastomatac.).

- blastifolia (*Guillaumin*) *C. Hansen* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 40 (1990): Anerincleistus blastifolius.
- imparifolia *C. Hansen* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 40 (1990)—Laos.
- ochthocharioides *C. Hansen* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 40 (1990)—Vietnam.
- petelotii (*Merr.*) *C. Hansen* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 41 (1990): Anerincleistus petelotii.
- rosea (*Guillaumin*) *C. Hansen* in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 41 (1990): Anerincleistus roseus.

**SPRYGINIA** (Crucif.).

- winkleri
- subsp. undulata (*Botsch.*) *I.T. Vasil'chenko* & *L.I. Vasil'eva* in *I.T. Vasil'chenko (ed.), Rast. Sred. Azii*: 70 (1986): S. undulata.

**STABEROHA** (Restionac.).

- ornata *E.E. Esterhuysen* in *Bothalia*, 15(3-4): 396 (1985)—South Africa (Cape Province).

**STACHYANDRA** *Leroy* ex *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 562 (1990). **EUPHORBIACEAE.**

- imberbis (*Airy Shaw*) *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 567 (1990): Androstachys imberbis.
- merana (*Airy Shaw*) *Leroy* ex *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 567 (1990): Androstachys merana.
- var. obovalifolia *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 567 (1990)—Madagascar.
- rufibarbis (*Airy Shaw*) *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 568 (1990): Androstachys rufibarbis.
- viticifolia (*Airy Shaw*) *A. Radcliffe-Smith* in *Kew Bull.*, 45(3): 568 (1990): Androstachys viticifolia.

**STACHYOPSIS** (Labiata.).

- canescens (*Rgl.*) *T.A. Adylov* & *M. Tulyaganova* in *Opred. Rast. Sred. Azii*, 9: 114 (1987): Phlomis oblongata var. canescens.

**STACHYS** (Labiata.).

- ser. Lanatae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Maritimae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 239 (1987).
- ser. Palustres *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Persicae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Rectae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Setiferae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Spectabiles *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- ser. Sylvaticae *Knorr.* ex *Sh.I. Kutateladze* in *Fl. Gruzii*, ed. 2, 11: 238 (1987).
- albotomentosa *T.P. Ramamoorthy* in *An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 54: 158 (1983 publ. 1987)—Mexico.
- baytopiorum *Kit Tan* & *B. Yildiz* in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 450 (1988 publ. 1989)—Turkey.
- bergii *G.A. Mulligan* & *D.B. Munro* in *Nat. Canad.*, 116(1): 40 (1989 publ. 1990), nom. nov.: S. rigida subsp. lanata *Epling*.
- chamissonis
- var. cooleyae (*Heller*) *G.A. Mulligan* & *D.B. Munro* in *Nat. Canad.*, 116(1): 41 (1989 publ. 1990): S. cooleyae.
- choruhensis *Kit Tan* & *F. Sorger* in *Pl. Syst. Evol.*, 155(1-4): 99 (1987)—Turkey.
- comosa *L.E. Codd* in *Bothalia*, 16(1): 51 (1986)—South Africa (Natal).
- herrerana *J. Rzedowski* & *G. Calderón* in *Rzedowski in Acta Bot. Mex.*, 3: 1 (1988)—Mexico.
- horvaticii *K. Micevski* in *Acta Bot. Croat.*, 28: 452 (1969)—Yugoslavia.
- langmaniae *J. Rzedowski* & *G. Calderón* in *Rzedowski in Acta Bot. Mex.*, 3: 2 (1988)—Mexico.
- officinalis
- subsp. peredae *M. Lainz* in *An. Jard. Bot. Madrid*, 43(2): 459 (1986 publ. 1987)—Spain.
- f. stricta (*Ait.*) *P. Boža* & *O. Vasić* in *Fl. SR Srbije*, 10: 183 (1986): Betonica stricta.
- pilosa
- var. arenicola (*Britton*) *G.A. Mulligan* & *D.B. Munro* in *Nat. Canad.*, 116(1): 46 (1989 publ. 1990): S. arenicola.
- rigida
- var. quercetorum (*Heller*) *G.A. Mulligan* & *D.B. Munro* in *Nat. Canad.*, 116(1): 47 (1989 publ. 1990): S. quercetorum.
- sieboldii
- var. alba (*C.Y. Wu* & *H.W. Li*) *H.B. Chen* in *Fl. Fujianica*, 4: 604 (1989 publ. 1990): S. geobombycis var. alba.
- sivasica *Kit Tan* & *B. Yildiz* in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 449 (1988 publ. 1989)—Turkey.
- stebbinsii *G.A. Mulligan* & *D.B. Munro* in *Nat. Canad.*, 116(1): 48 (1989 publ. 1990)—U.S.A. (California), Mexico.
- tundjeliensis *Kit Tan* & *F. Sorger* in *Pl. Syst. Evol.*, 155(1-4): 99 (1987)—Turkey.

**STACHYS**:-

vulnerabilis *J. Rzedowski & G. Calderón de Rzedowski in Acta Bot. Mex.*, 3: 3 (1988)—Mexico.  
 willemsei *Kit Tan & Hedge in Notes Roy. Bot. Gard. Edinburgh*, 45(3): 451 (1988 publ. 1989)—Turkey.  
 zuvandica *R.Ya. Rzazade in Fl. Azerbaidzhana*, 7: 611 (1957)—U.S.S.R. (Caucasus).

**STACHYURUS** (Stachyurac.).

brachystachyus *C.Y. Wu & S.K. Chen Y.C. Tang & Y.L. Cao in Acta Bot. Yunnanica*, 10(3): 349 (1988): S. chinensis var. brachystachyus.  
 calcareus *H.T. Chang & Z.R. Xu in Acta Sci. Nat. Univ. Sunyatseni*, 1986(2): 98 (1986), without type—China.  
 callosus *C.Y. Wu in Fl. Yunnanica*, 3: 344 (1983)—China.  
 chinensis  
 var. brachystachyus *C.Y. Wu & S.K. Chen in Fl. Yunnanica*, 3: 348 (1983)—China, Xizang.  
 himalaicus  
 var. alatipes *C.Y. Wu in Fl. Yunnanica*, 3: 343 (1983)—China.  
 var. dasyrachis *C.Y. Wu in Fl. Yunnanica*, 3: 344 (1983)—China.  
 var. microphyllus *C.Y. Wu in Fl. Yunnanica*, 3: 344 (1983)—China.

**STANHOPEA** (Orchidac.).

avicula *R.L. Dressler in Amer. Orchid Soc. Bull.*, 58(9): 885 (1989)—Panama.  
 ×herrenhusana *R. Jenny in Orchidee*, 40(1): 32 (1989)—Colombia. (S. reichenbachiana × tricornis).  
 ×horichiana *R. Jenny in Orchidee*, 39(1): 8 (1988)—Costa Rica.  
 panamensis *N.H. Williams & W.M. Whitten in Lindleyana*, 3(1): 9 (1988)—Panama.  
 pozoii *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 177 (1989)—Ecuador, Peru.

**STAPELIANTHUS** (Asclepiadac.).

calcarophilus *P. Morat in Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 12(1): 3 (1990)—Madagascar.

**STATICE** (Plumbaginac.).

baetica (Boiss.) *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 165 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985): Armeria baetica.  
 capitella (Pau) *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 168 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985): Armeria capitella.  
 dertosensis *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 171 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985), nom. nov.: Armeria fontqueri Pau ex *Font Quer*.  
 floribunda *Lem. ex Huber, Wochenschrift*, 9: 81 (1866); cf. D.J. Mabberley in *Taxon*, 34(3): 451 (1985)—Locality not stated.  
 isernii (Vicioso & Beltrán) *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 174 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985): Armeria caespitosa var. isernii.  
 longearistata (Boiss. & Reuter) *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 169 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985): Armeria longearistata.  
 macrophylla (Boiss. & Reuter) *Font Quer & Rothmaler, Sched. Fl. Iber. Select.*, Cent. II-III, n. 167 (1935); cf. C. Navarro, M. Gutiérrez-Bustillo & A.G. Bueno in *Fontqueria*, 7: 13 (1985): Armeria macrophylla.

**STAUNTONIA** (Lardizabalac.).

brunoniana (Decne) *W.B. Hemsley in Hook. Ic. Pl.*: t. 2843 (1907): Parvatia brunoniana.  
 conspicua *R.H. Chang in Acta Phytotax. Sin.*, 25(3): 235 (1987)—China.

**STAUROCHILUS** (Orchidac.).

gibbosicalcar *G. Seidenfaden in Op. Bot.*, 95: 95 (1988)—Thailand.

**STAUROCHILUS**:-

joiceyanus (J.J. Smith) *G. Seidenfaden in Op. Bot.*, 95: 96 (1988): Trichoglottis joiceyana.  
 loratus (Rolf ex Downie) *G. Seidenfaden in Op. Bot.*, 95: 95 (1988): Ascochilus loratus.  
 ramosus (Lindl.) *G. Seidenfaden in Op. Bot.*, 95: 95 (1988): Saccolabium ramosum.

**STAUROGYNE** (Acanthac.).

leptocaulis  
 subsp. decumbens *R.M. Barker in J. Adelaide Bot. Gard.*, 9: 62 (1986)—Australia (W. Australia, N. Terr., Queensland).  
 longicuneata *H.S. Lo in Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 2 (1988)—China.  
 scopulicola *R. Kiew in Malayan Nat. J.*, 43(4): 245 (1990)—Malaya.  
 sichuanica *H.S. Lo in Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 2 (1988)—China.  
 yunnanensis *H.S. Lo in Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 3 (1988)—China.

**STEFANOFFIA** (Umbellif.).

insoluta *E.V. Klyuikov in Novosti Sist. Vyssh. Rast.*, 23: 90 (1986)—Turkey.

**STEGANOTROPIS** J.G.C. Lehmann in Sem. Hort.

Bot. Hamb.: 18 (1826). **LEGUMINOSAE**. †  
 conjugata *J.G.C. Lehmann in Sem. Hort. Bot. Hamb.*: 18 (1826)—Locality not stated. †

**STEGIA** (Malvac.).

trimestris (L.) *T. Luque & J.A. Devesa in Lagasalia*, 14(2): 237 (1986): Lavatera trimestris.  
 var. brachypoda (Pérez Lara) *T. Luque & J.A. Devesa in Lagasalia*, 14(2): 238 (1986): Lavatera trimestris var. brachypoda.

**STEGNOSPERMA** (Phytolaccac.).

sanchezii *F. González-Medrano & R. Medina Lemos in Bol. Soc. Bot. Méx.*, 46: 37 (1984 publ. 1986)—Mexico.

**STEGOLEPIS** (Rapateac.).

albiflora *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(3): 609 (1987)—Venezuela.  
 huberi *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(3): 610 (1987)—Venezuela.  
 humilis *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 74(3): 611 (1987)—Venezuela.  
 minor *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(1): 315 (1988)—Venezuela.

**STEINCHISMA** (Gramin.).

spathellosa (Doell) *S.A. Renvoize in Kew Bull.*, 42(4): 921 (1987): Panicum spathellosum.

**STEIRACTINIA** (Compos.).

glandulosa  
 subsp. nevadensis *S. Díaz-Piedrahíta & C. Vélez-Nauer in Fl. Colombia*, 13: 19 (1990)—Colombia.  
 helianthoides (Triana) *S. Díaz-Piedrahíta & C. Vélez-Nauer in Fl. Colombia*, 13: 46 (1990): Oyedaea helianthoides.  
 quetamensis *S. Díaz-Piedrahíta & C. Vélez-Nauer in Fl. Colombia*, 13: 32 (1990)—Colombia.

**STELIS** (Orchidac.).

sect. Nexipous (Garay) *C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15)*: 62 (1986): S. subgen. Nexipous.  
 choriantha *D.D. Dod in Moscosoa*, 4: 160 (1986)—Hispaniola (Haiti).  
 garayi (Dunsterv.) *G. Carnevali & I. Ramírez in Ann. Missouri Bot. Gard.*, 77(3): 556 (1990): Apatostelis garayi.  
 glacensis *D.D. Dod in Moscosoa*, 4: 166 (1986)—Hispaniola (Haiti).  
 magnicava *D.D. Dod in Moscosoa*, 5: 233 (1989)—Hispaniola (Haiti).  
 minipetala *D.D. Dod in Moscosoa*, 4: 162 (1986)—Hispaniola (Haiti).  
 mucronata *D.D. Dod in Moscosoa*, 4: 164 (1986)—Hispaniola (Dominican Republic).  
 triapiculata *D.D. Dod in Moscosoa*, 4: 168 (1986)—Hispaniola (Haiti).

**STELLARIA** (Caryophyllac.).

alaschanica *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 13(3): 283 (1982)—China.  
 antoniana *C.R. Volponi in Kurtziana*, 18: 95 (1986)—Argentina.  
 bistylata *W.Z. Di & Y. Ren in Acta Bot. Bor.-Occid. Sin.*, 5(3): 231 (1985)—China.  
 gramineoides *Y. Hazit in Claves Pl. Xinjiang.*, 2: 249 (1982), without latin descr. or type—Xinjiang.  
 kotschyana  
 subsp. glabra (Bornm.) *S.A. Ghazanfar in Fl. Pakistan*, 175: 30 (1986): S. kotschyana var. glabra.  
 longipes  
 var. monantha (Hulten) *S.L. Welsh in Great Basin Nat.*, 46(2): 255 (1986): S. monantha.  
 montana *M.D. Pierrat in Compt.-Rend. Soc. Bot. Rochelaise*, 1879(2): 58 (1880)—Locality not stated - probably France.  
 montioides (Edgew. & Hook.f.) *S.A. Ghazanfar in Fl. Pakistan*, 175: 25 (1986): S. graminea var. montioides.  
 nemorum  
 nothosubsp. kersii *Á.M. Romo in An. Jard. Bot. Madrid*, 44(2): 564 (1987)—Spain. (S. nemorum subsp. montana × nemorum subsp. nemorum).  
 palustris  
 subsp. fennica (Murb.) *V.G. Sergienko, Fl. poluostrova Kanin*: 56 (1986): S. palustris var. fennica.  
 parviumbellata *Y.Z. Zhao in Acta Sci. Nat. Univ. Intramongolicae*, 20(2): 226 (1989), as 'parviumbellata'—China.  
 patens  
 var. ovatifolia *H. Hara in Enum. Fl. Pl. Nepal*, 2: 58 (1979)—Nepal.  
 pedersenii *C.R. Volponi in Kurtziana*, 18: 97 (1986)—Argentina.  
 sikaramensis *K.H. Rechinger in Fl. Iran.*, 163: 70 (1988)—Pakistan, Afghanistan.  
 undulata *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg.*, ed. 14: 422 (1784)—Japan. †  
 viridifolia (Khokhr.) *A.P. Khokhryakov, Analiz Fl. Kolymского Nagor'ya*: 10 (22 Apr 1989): S. fischerana subsp. viridifolia.  
 viridifolia (Khokhr.) *A.P. Khokhryakov & V.N. Pavlov in Byull. Mosk. Obsch. Ispyt. Priro.*, 94(5): 98 (19 Sept 1989), isonym: S. fischerana subsp. viridifolia.

**STELLERA** (Thymelaeac.).

chamaejasme  
 f. chrysantha *S.C. Huang in Acta Bot. Yunnanica*, 7(3): 291 (1985)—China, Xizang.

**STELLILABIUM** (Orchidac.).

boylei *J.T. Atwood in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1392 (1989)—Costa Rica.  
 bullpenense *J.T. Atwood in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1393 (1989)—Costa Rica.  
 campbelliorum *J.T. Atwood in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1394 (1989), as 'campbellorum'—Costa Rica.  
 lueri *C.H. Dodson & R. Vásquez Ch. in Ic. Pl. Trop.*, Ser. 2, 4: t. 381 (1989)—Bolivia.  
 monteverdense *J.T. Atwood in Ic. Pl. Trop.*, 14 (Orch. Costa Rica, pt. 1): t. 1395 (1989)—Costa Rica.  
 pampatamboense *C.H. Dodson & R. Vásquez Ch. in Ic. Pl. Trop.*, Ser. 2, 4: t. 382 (1989)—Bolivia.

**STEMMACANTHA** (Compos.).

rhapontica  
 subsp. lamarckii *M. Dittich in Candollea*, 45(2): 491 (1990)—Switzerland.

**STEMODIA** (Scrophulariac.).

bissei *N.N. Tselev in Bot. Zhurn.*, 72(12): 1662 (1987)—Cuba.  
 florulenta *W.R. Barker in J. Adelaide Bot. Gard.*, 13: 90 (1990), nom. nov.: Morgania floribunda Benth.  
 fruticulosa *N.N. Tselev in Bot. Zhurn.*, 72(12): 1663 (1987)—Cuba.  
 glabella *W.R. Barker in J. Adelaide Bot. Gard.*, 13: 90 (1990), nom. nov.: Morgania glabra R. Br.  
 lathraia *W.R. Barker in J. Adelaide Bot. Gard.*, 13: 90 (1990), nom. nov.: Morgania parviflora Benth.  
 mutisii *J.L. Fernández Alonso in An. Jard. Bot. Madrid*, 44(2): 394 (1987)—Colombia.

**STEMODIA** :-

- pubescens (R. Br.) W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 90 (1990): Morgania pubescens.  
 tephropelina W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 90 (1990)—Australia (N. Terr., W. Australia).

**STEMODIOPSIS** (Scrophulariac.).

- glandulosa D. Philcox in *Fl. Zambes.*, 8(2): 42 (1990)—Zambia.

**STEMONA** (Stemonac.).

- angusta I.R.H. Telford in *Fl. Australia*, 46: 230, 180 (1986)—Australia (Queensland).  
 prostrata I.R.H. Telford in *Fl. Australia*, 46: 230, 178 (1986)—Australia (N. Terr.).

**STENANDRIUM** (Acanthac.).

- goiasense D.C. Wasshausen in *Brittonia*, 42(1): 4 (1990)—Brazil.  
 hatschbachii D.C. Wasshausen in *Brittonia*, 42(1): 1 (1990)—Brazil.  
 irwinii D.C. Wasshausen in *Brittonia*, 42(1): 4 (1990)—Brazil.

**STENIA** (Orchidac.).

- bismarckii C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 179 (1989)—Peru, Ecuador.  
 calceolaris (Garay) C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 180 (1989): Chaubardiella calceolaris.  
 caudata (Ackerman) C.H. Dodson & D.E. Bennett in  *Ic. Pl. Trop.*, Ser. 2, 2: t. 181 (1989): Chondrorhyncha caudata.  
 palorae C.H. Dodson & Hirtz in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 583 (1989)—Ecuador.  
 vasquezii C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 4: t. 384 (1989)—Bolivia.

**STENOCARPUS** (Proteac.).

- cryptocarpus D.B. Foreman & B.P.M. Hyland in  *Muelleria*, 6(6): 422 (1988)—Australia (Queensland).  
 davallioides D.B. Foreman & B.P.M. Hyland in  *Muelleria*, 6(6): 419 (1988)—Australia (Queensland).

**STENOCEPHALUM** (Compos.).

- hystrix (Chodat) H. Robinson in  *Proc. Biol. Soc. Wash.*, 100(3): 583 (1987): Vernonia hystrix.  
 jucundum (Gleason) H. Robinson in  *Proc. Biol. Soc. Wash.*, 100(3): 583 (1987): Vernonia jucunda.

**STENOGYNE** (Labiat.).

- acuta H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 adpressa H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 adscendens H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 alakaiensis H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 alba H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 albimontis H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 alternans H. St. John in  *Phytologia*, 63(3): 159 (1987)—Hawaiian Is.  
 ambiobuta H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 angularis H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 bracteosa H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 calaminthoides  
   var. kulaniensis H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 calvata H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 campanulata S.G. Weller & A. Sakai in  *Bishop Mus. Occas. Pap.*, 29: 101 (1989)—Hawaiian Is.  
 ciliata H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 conscandens H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 coriacea H. St. John in  *Phytologia*, 63(3): 160 (1987)—Hawaiian Is.  
 davisiae H. St. John in  *Phytologia*, 63(3): 160 (1987), as 'davisae'—Hawaiian Is.

**STENOGYNE** :-

- decumbens H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 deltoidea H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 diantha H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 douglasii H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 earina H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 elliptica H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 elliptilobata H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 flava H. St. John in  *Phytologia*, 63(3): 161 (1987)—Hawaiian Is.  
 forbesii (Sherff) H. St. John in  *Phytologia*, 63(3): 162 (1987): S. purpurea var. forbesii.  
 fruticosa H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 fusca H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 gracilis (Sherff) H. St. John in  *Phytologia*, 63(3): 162 (1987): S. macrantha var. gracilis.  
 hamakuaensis H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 hawaiiensis H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 hemidasys H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 hiloensis H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 hosakae H. St. John in  *Phytologia*, 63(3): 162 (1987)—Hawaiian Is.  
 hululuensis H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 humululaensis H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 integra H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 kaalae  
   var. obatae H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
   var. pearsallii H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 kamehamehae  
   f. albiflora (Sherff) H. St. John in  *Phytologia*, 63(3): 163 (1987): S. kamehamehae var. albiflora.  
 kauaiensis H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 kilaueae H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 kipahuluensis H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 konaensis H. St. John in  *Phytologia*, 63(3): 163 (1987)—Hawaiian Is.  
 kukuiensis H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 kulaensis H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 lactea H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 laculata H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 laevis H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 lanceolata H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 latisepala (Sherff) H. St. John in  *Phytologia*, 63(3): 164 (1987): S. kaalae var. latisepala.  
 lehuensis H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 leptophylla (Sherff) H. St. John in  *Phytologia*, 63(3): 164 (1987): S. purpurea var. leptophylla.  
   var. retrorsa H. St. John in  *Phytologia*, 63(3): 164 (1987)—Hawaiian Is.  
 linearis H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 longiloba H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 lutea H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 mamaneola H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 meeboldii (Sherff) H. St. John in  *Phytologia*, 63(3): 165 (1987): S. angustifolia var. meeboldii.

**STENOGYNE** :-

- mollissima (Skotts.) H. St. John in  *Phytologia*, 63(3): 165 (1987): S. rugosa f. mollissima.  
 montana H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 montideae H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 multiflora H. St. John in  *Phytologia*, 63(3): 165 (1987)—Hawaiian Is.  
 nahukuensis H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 nigra H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 novalimontis H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 oblonga (Sherff) H. St. John in  *Phytologia*, 63(3): 167 (1987): S. rotundifolia var. oblonga.  
 ohiascandens H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 olaensis H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 olowaluensis H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 oonoides H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 ovata H. St. John in  *Phytologia*, 63(3): 167 (1987)—Hawaiian Is.  
 oxyodonta (Sherff) H. St. John in  *Phytologia*, 63(3): 166 (1987): S. calaminthoides var. oxyodonta.  
 pedunculata H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 pilosa H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 pubicostata H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 recta H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 remyi (Sherff) H. St. John in  *Phytologia*, 63(3): 166 (1987): S. scrophularioides var. remyi.  
 repens H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 retrorsa H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 rhuakos H. St. John in  *Phytologia*, 63(3): 166 (1987)—Hawaiian Is.  
 rockii H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
 rotundifolia  
   var. salebrosa H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
 rubra H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
 rugosa  
   var. imberbis H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
   var. monticola H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
   var. pubens H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
   var. pubinervis H. St. John in  *Phytologia*, 63(3): 168 (1987)—Hawaiian Is.  
   var. punaensis H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
   var. remotata H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
 semipilosa H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
 septentrionalis H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
 serrata H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
 serrulata H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
 sessilis  
   var. hanaulaensis H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
   var. lanceolata H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
   var. pilosa H. St. John in  *Phytologia*, 63(3): 169 (1987)—Hawaiian Is.  
   var. wailukuensis H. St. John in  *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
 subsessilis H. St. John in  *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
 teres H. St. John in  *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
 triangularis H. St. John in  *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.

**STENOGYNE** :-

- villosa* H. St. John in *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
*viridialba* H. St. John in *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
*volanica* H. St. John in *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
*waiameana* (Sherff) H. St. John in *Phytologia*, 63(3): 170 (1987): *S. calamithoides* var. *waiameana*.  
*warshaueri* H. St. John in *Phytologia*, 63(3): 170 (1987)—Hawaiian Is.  
*wilkesii* (Sherff) H. St. John in *Phytologia*, 63(3): 171 (1987): *S. sessilis* var. *wilkesii*.

**STENOMESSION** (Amaryllidac.).

- sect. Adnata* P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 20 (1988).  
*cuzcoense* (Varg.) P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 20 (1988): *Urceolina cuzcoensis*.  
*gasteroides* P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 18 (1988)—Peru.  
*parvulum* P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 17 (1988)—Peru.  
*sunchubambae* P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 17 (1988)—Peru.  
*weberbaueri* (Varg.) P. Ravenna in *Onira*, Bot. Leaflet, 1(2): 20 (1988): *Urceolina weberbaueri*.

**STENOPADUS** (Compos.).

- aracaensis* J.F. Pruski in *Ann. Missouri Bot. Gard.*, 76(4): 999 (1989)—Brazil.  
*colveei* (Steyer.) J.F. Pruski in *Ann. Missouri Bot. Gard.*, 76(4): 998 (1989): *Stomatochaeta colveei*.  
*megacephalus* J.F. Pruski in *Ann. Missouri Bot. Gard.*, 76(4): 1001 (1989)—Guyana.

**STENORRHYNCHOS** (Orchidac.).

- aphyllus* (Hook.) Sweet, *Hort. Brit.*, ed. 2: 485 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981): Basionym not stated.  
*petensis* (L.O. Wms.) P. Burns-Balogh & Greenwood in *Orquidea (México)*, 10(1): 93 (1986): *Spiranthes petensis*.  
*seminudum* (Schltr.) P. Burns-Balogh in *Orquidea (México)*, 10(1): 93 (1986): *Spiranthes seminuda*.

**STENOSPERMATION** (Arac.).

- ammiticum*  
*subsp. neblinae* G.S. Bunting in *Phytologia*, 60(5): 339 (1986)—Venezuela.  
*nebulense* G.S. Bunting in *Phytologia*, 64(6): 482 (1988)—Venezuela.

**STENOTHECA** (Compos.).

- tristis* (Willd. ex Spreng.) R.N. Shlyakov in *Arktich. Fl. SSSR*, 10: 387 (1987): *Hieracium triste*.

**STENOTUS** (Compos.).

- pulvinatus* (R. Moran) G.L. Nesom in *Phytologia*, 67(2): 113 (1989): *Haplopappus pulvinatus*.

**STEPHANIA** (Menispermac.).

- brevipedunculata* C.Y. Wu & D.D. Tao in *Fl. Xizangica*, 2: 159 (1985)—Xizang.  
*crebra* L.L. Forman in *Kew Bull.*, 43(3): 383 (1988)—Thailand.  
*dentifolia* H.S. Lo & M. Yang in *Guihaia*, 8(4): 313 (1988)—China.  
*dicentrinifera* H.S. Lo & M. Yang in *Fl. Yunnanica*, 3: 251 (1983)—China.  
*ebracteata* S.Y. Zhao & H.S. Lo in *Guihaia*, 10(3): 181 (1990)—China.  
*intermedia* H.S. Lo in *Fl. Yunnanica*, 3: 247 (1983)—China.  
*lincangensis* H.S. Lo & M. Yang in *Guihaia*, 8(4): 311 (1988)—China.  
*longipes* H.S. Lo in *Fl. Yunnanica*, 3: 254 (1983)—China.  
*macrantha* H.S. Lo & M. Yang in *Guihaia*, 8(4): 309 (1988)—China.  
*miyiensis* S.Y. Zhao & H.S. Lo in *Guihaia*, 10(3): 183 (1990)—China.  
*officinatum* H.S. Lo & M. Yang in *Guihaia*, 8(4): 310 (1988)—China.  
*tomentella* L.L. Forman in *Kew Bull.*, 43(3): 378 (1988)—Thailand.  
*viridiflavens* H.S. Lo & M. Yang in *Fl. Yunnanica*, 3: 248 (1983)—China.

**STEPHANIA** :-

- yunnanensis* H.S. Lo in *Fl. Yunnanica*, 3: 250 (1983)—China.  
*var. trichocalyx* H.S. Lo & M. Yang in *Guihaia*, 8(4): 313 (1988)—China.

**STEPHANOMERIA** (Compos.).

- tenuifolia*  
*var. uintaensis* S. Goodrich & S.L. Welsh in *Great Basin Nat.*, 43(2): 375 (1983)—U.S.A. (Utah).

**STEPTORHAMPHUS** A. Bunge, Beitr. Fl. Russl.:

- 205 (1852). *COMPOSITAE*. †  
*crambifolius* A. Bunge, Beitr. Fl. Russl.: 205 (1852)—U.S.S.R. (Middle Asia). †

**STERCULIA** (Sterculiac.).

- acerifolia* A. Cunningham ex G. Don, *Gen. Syst.*, 1: 517 (1831)—Australia. †  
*caribaea* R. Brown, *Pterocymbium*: 228 (4 June 1844)—Caribbean Is. †  
*ceramica* R. Brown, *Pterocymbium*: 233 (4 June 1844)—Moluccas. †  
*cuneata* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Philippine Is. †  
*cuspidata* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Sumatra. †  
*ferruginea* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Philippine Is. †  
*grandifolia* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Java. †  
*insularis* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Moluccas. †  
*javanica* R. Brown, *Pterocymbium*: 230 (4 June 1844)—Java. †  
*madagascariensis* R. Brown, *Pterocymbium*: 229 (4 June 1844)—Madagascar. †  
*mexicana* R. Brown, *Pterocymbium*: 227 (4 June 1844)—Mexico. †  
*oblongata* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Philippine Is. †  
*obovata* R. Brown, *Pterocymbium*: 233 (4 June 1844)—Tropical Africa. †  
*polyphylla* R. Brown, *Pterocymbium*: 227 (4 June 1844)—Sumatra. †  
*propinqua* R. Brown, *Pterocymbium*: 229 (4 June 1844)—Surinam. †  
*quadrifida* R. Brown, *Pterocymbium*: 233 (4 June 1844)—Australia. †  
*rugosa* R. Brown, *Pterocymbium*: 229 (4 June 1844)—Guyana. †  
*spangleri* R. Brown, *Pterocymbium*: 230 (4 June 1844)—Java. †  
*stipularis* R. Brown, *Pterocymbium*: 232 (4 June 1844)—Philippine Is. †  
*surinamensis* R. Brown, *Pterocymbium*: 229 (4 June 1844)—Surinam. †  
*tantraensis* P. Morat in *Bull. Mus. Nation. Hist. Nat., B. Adansonii*, Ser. 4, 8(4): 362 (1986 publ. 1987), nom. nov.: *Pterocymbium schumannianum* Lauterb.  
*triphaca* R. Brown, *Pterocymbium*: 228 (4 June 1844)—S.E. Africa. †

**STEREOSPERMUM** (Bignoniac.).

- colais*  
*var. angustifolium* (Haines) V. Chandrasekaran in A.N. Henry, G.R. Kumari & V. Chithra, *Fl. Tamil Nadu, India*, Ser. 1, 2: 137 (1987): *S. chelonoides* var. *angustifolium*.  
*var. puberula* (Dop) D.D. Tao in *Fl. Reipubl. Popul. Sin.*, 69: 25 (1990): *S. personatum* var. *puberula*.

**STERIGMOSTEMUM** (Crucif.).

- subgen. Petiniotia* (Léonard) F. Jacquemoud in Boissiera, 40: 141 (1988): gen. *Petiniotia*.  
*eglandulosum* (Botsch.) H.L. Yang in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 66 (1987): *Oreoloma eglandulosum*.  
*fuhaiense* H.L. Yang in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 445 (1987)—Xinjiang.  
*violaceum* (Botsch.) H.L. Yang in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 65 (1987): *Oreoloma violaceum*.

**STERIS** (Caryophyllac.).

- sect. Liponeurum* (Schott, Nym. & Kotschy) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 81 (1987): gen. *Liponeurum*.

**STERIS** :-

- sect. Polyschemone* (Schott, Nym. & Kotschy) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 82 (1987): gen. *Polyschemone*.  
*americana* (Fern.) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 81 (1987): *Lychnis alpina* var. *americana*.  
*borealis* (Bocher) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 82 (1987): *Viscaria alpina* subsp. *borealis*.  
*nivalis* (Kit.) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 82 (1987): *Lychnis nivalis*.  
*sartorii* (Boiss.) S.S. Ikonnikov in *Novosti Sist. Vyssh. Rast.*, 24: 81 (1987): *Viscaria sartorii*.

**STERNBERGIA** (Amaryllidac.).

- greuteriana* G. Kamari & R. Artelari in *Willdenowia*, 19(2): 371 (1990)—Crete, Karpathos.  
*vernalis* (Miller) R. Gorer & J.H. Harvey in *Plantsman*, 10(4): 204 (1989): *Amaryllis vernalis*.

**STEVENIA** (Crucif.).

- sergievskajae* (Krasnob.) R.V. Kamelin & I.A. Gubanov in *Byull. Mosk. Obsch. Ispyt. Prir., Biol.*, 91(6): 91 (1986): *Alyssum sergievskajae*.

**STEVIA** (Compos.).

- alpina*  
*var. glutinosa* L. Ariza Espinar & M.M. Cerana in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 393 (1986)—Argentina.  
*caltepecana* B.L. Turner in *Phytologia*, 68(1): 82 (1990)—Mexico.  
*chamaedrys*  
*var. glandulifera* L. Ariza Espinar & M.M. Cerana in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 391 (1986)—Argentina.  
*gilliesii*  
*var. glandulosa* L. Ariza Espinar & M.M. Cerana in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 390 (1986)—Argentina.  
*hintonii* (Grashoff) B.L. Turner in *Phytologia*, 64(3): 212 (1988): *Metastevia hintonii*.  
*mollis* Schrad., *Ind. Sem. Hort. Acad. Gott.*, 1831: 5 (1831); *Linnaea* 8, *Lit.*: 25 (1834); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
*scabrella*  
*var. venosa* (A. Gray) B.L. Turner in *Phytologia*, 64(3): 211 (1988): *S. venosa*.  
*vaga*  
*var. effusa* (Hieron.) L. Ariza Espinar & M.M. Cerana in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 386 (1986): *S. effusa*.  
*var. saltensis* (Hieron.) L. Ariza Espinar & M.M. Cerana in *Bol. Acad. Nac. Cienc. (Cordoba)*, 57(3-4): 386 (1986): *S. effusa* var. *saltensis*.

**STEVIOPSIS** (Compos.).

- adenosperma* (Sch.-Bip.) B.L. Turner in *Phytologia*, 64(4): 260 (1988): *Eupatorium adenospermum*.  
*dryophila* (B.L. Rob.) B.L. Turner in *Phytologia*, 64(4): 260 (1988): *Eupatorium dryophilum*.  
*nesonii* B.L. Turner in *Phytologia*, 68(5): 410 (1990)—Mexico.  
*squamulosa* (A. Gray) B.L. Turner in *Phytologia*, 64(4): 260 (1988): *Brickellia squamulosa*.  
*thyrsiflora* (A. Gray) B.L. Turner in *Phytologia*, 64(4): 260 (1988): *Brickellia thyrsiflora*.  
*var. solidaginifolia* (A. Gray) B.L. Turner in *Phytologia*, 64(4): 260 (1988): *Brickellia solidaginifolia*.

**STEWARTIA** (Theac.).

- acutisepala* P.L. Chiu & G.R. Zhong in *Acta Bot. Yunnanica*, 10(1): 57 (1988), with two types cited—China.

**STEWARTIELLA** (Umbellif.).

- crucifolia* (Gilli) I.C. Hedge & J.M. Lamond in *Fl. Iran.*, 162: 213 (1987): *Ferula crucifolia*.

**STEYERBROMELIA** L.B. Smith in *Acta Bot.*

- Venezuel., 14(3): 8 (1984), without type; in *Ann. Missouri Bot. Gard.*, 73(4): 699 (1986 publ. 1987), with type. *BROMELIACEAE*.



**STEEBROMELIA** :-

deflexa L.B. Smith & Robinson in *Acta Bot. Venezuel.*, 14(3): 12 (1984), generic name not validly publ.—Venezuela.

diffusa L.B. Smith, J.A. Steyermark & H. Robinson in *Ann. Missouri Bot. Gard.*, 73(4): 700 (1986 publ. 1987)—Venezuela.

discolor L.B. Smith & Robinson in *Acta Bot. Venezuel.*, 14(3): 8 (1984), generic name not validly publ.—Venezuela.

**STEYERMARKOCHLOA** (Gramin.).

angustifolia (Sprengel) E.Ĵ. Ĵudziewicz in *Ann. Missouri Bot. Gard.*, 77(1): 204 (1990): *Pariana angustifolia*.

**STICTOCARDIA** (Convolvulac.).

subgen. *Madoadoa* B. Verdcourt in *Kew Bull.*, 45(3): 583 (1990).

**STICTOPHYLLUM** C.H. Dodson & Chase in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 584 (1989), homonym; see Edgew. in *Proc. Linn. Soc.*, 1: 253 (1845). **ORCHIDACEAE**.

pygmaeum (Cogn.) C.H. Dodson & Chase in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 584 (1989): *Ionopsis pygmaea*.

**STIEFIA** (Labi.).

bucharica (M. Pop.) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia bucharica*.  
compressa (Vent.) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia compressa*.  
hydrangea (DC. ex Benth.) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia hydrangea*.  
korolkovi (Reg. & Schmalh.) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia korolkovi*.  
molucellae (Benth.) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia molucellae*.  
multicaulis (Vahl) Ĵ. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): *Salvia multicaulis*.

**STIGMAPHYLLON** (Malpighiac.).

aberrans C. Anderson in *Syst. Bot.*, 11(1): 121 (1986)—Peru.  
adenophorum C. Anderson in *Syst. Bot.*, 11(1): 120 (1986)—Costa Rica.  
bahense C. Anderson in *Syst. Bot.*, 14(4): 509 (1989)—Brazil.  
blanchetii C. Anderson in *Syst. Bot.*, 14(4): 511 (1989)—Brazil.  
bradei C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 7 (1990)—Brazil.  
cavernulosum C. Anderson in *Syst. Bot.*, 14(4): 513 (1989)—Brazil.  
floribundum (DC.) C. Anderson in *Syst. Bot.*, 11(1): 128 (1986): *Banisteria floribunda*.  
flororum C. Anderson in *Syst. Bot.*, 11(1): 123 (1986)—Peru, Ecuador, Brazil, Bolivia.  
hatschbachii C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 9 (1990)—Brazil.  
laciniatum (Ekman ex Nied.) C. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 29 (1987): *S. angulosum* f. *laciniatum*.  
macedoanum C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 10 (1990)—Brazil.  
matogrossense C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 11 (1990)—Brazil.  
panamense C. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 35 (1987)—Panama.  
paraense C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 13 (1990)—Brazil.  
saxicola C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 16 (1990)—Brazil.  
singulare C. Anderson in *Syst. Bot.*, 11(1): 126 (1986)—Venezuela, Colombia.  
stylopogon C. Anderson in *Contrib. Univ. Mich. Herb.*, 17: 17 (1990)—Brazil.  
tarapotense C. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 49 (1987)—Peru.  
tonduzii C. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 45 (1987)—Costa Rica.  
yungasense C. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 50 (1987)—Bolivia.

**STIGMATODACTYLUS** (Orchidac.).

serratus (Deori) A. Nageswara Rao in *Ĵ. Econ. Taxon. Bot.*, 9(2): 255 (1987): *Pantlingia serrata*.

**STILLINGIA** (Euphorbiac.).

parvifolia I.M. Sánchez Vega, A. Sagástegui Alva & M.Ĵ. Huft in *Ann. Missouri Bot. Gard.*, 75(4): 1666 (1988 publ. 1989)—Peru.

**STIMPSONIA** (Primulac.).

chamaedryoides  
f. rubriflora Ĵ.Z. Shao in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 73 (1989)—China.

**STIPA** (Gramin.).

ser. *Anomalae* M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 29 (1975 publ. 1976).  
ser. *Barbatae* B. Moraldo in *Webbia*, 40(2): 211 (1986).  
ser. *Capenses* B. Moraldo in *Webbia*, 40(2): 212 (1986).  
ser. *Paradoxae* M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 23 (1975 publ. 1976).  
ser. *Poeticae* M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 56 (1975 publ. 1976).  
ser. *Rubentes* M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 64 (1975 publ. 1976).  
ser. *Siculae* B. Moraldo in *Webbia*, 40(2): 211 (1986).  
ser. *Stenophyllae* M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 81 (1975 publ. 1976).  
adoxa M.V. Klokov & V.V. Osýchnyuk in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 28 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
aquarii Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 27 (1986)—Australia (N. Terr.).  
asperella M.V. Klokov & V.V. Osýchnyuk in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 35 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
austriaca (Beck.) M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 40 (1975 publ. 1976): *S. pennata*  $\beta$  *austriaca*.  
austroaltaica Yu.A. Kotukhov in *Bot. Zhurn.*, 72(9): 1254 (1987)—U.S.S.R. (Siberia).  
austroitalica  
subsp. *appendiculata* (Čelak.) B. Moraldo in *Webbia*, 40(2): 254 (1986): *S. pennata* var. *appendiculata*.  
ayacuchensis O. Tovar in *Opusc. Bot. Pharm. Complutensis*, 4: 85 (1988)—Peru.  
barchanica M.N. Lomonosova in *Fl. Sibir. (Poaceae)*, 2: 224 (1990)—U.S.S.R. (Siberia).  
blakei Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 34 (1986)—Australia (Queensland).  
brachyptera M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 26 (1975 publ. 1976)—U.S.S.R. (Crimea).  
brauneri (Pacz.) M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 21 (1975 publ. 1976): *S. lessingiana* subsp. *brauneri*.  
breviseta (Hitche.) C. Marticorena & M. Quezada in *Gayana, Bot.*, 42(1–2): 152 (1985): *Ortachne breviseta*.  
centralis Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 39 (1986)—Australia (N. Terr.).  
contracta (B.L. Johnson) W.A. Weber in *Phytologia*, 67(6): 428 (1989): *Oryzopsis hymenoides* var. *contracta*.  
dasyvaginata  
subsp. *longiglumis* H. Scholz in *Willdenowia*, 19(1): 131 (1989)—Algeria.  
disjuncta M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 75 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
dongicola Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 46 (1986)—Australia (W. Australia).  
echinata Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 50 (1986)—Australia (S. Australia).  
epilosa  
subsp. *montana* B. Moraldo in *Webbia*, 40(2): 258 (1986)—Italy.  
etrusca B. Moraldo in *Webbia*, 40(2): 236 (1986)—Italy.  
fallacina M.V. Klokov & V.V. Osýchnyuk in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 62 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
feresetacea Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 58 (1986)—Australia (N. Terr.).  
gabensis B. Moraldo, M. Raffaelli & C. Ricceri in *Candollea*, 44(1): 78 (1989)—Tunisia.

**STIPA** :-

germanica (Endtmann) M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 67 (1975 publ. 1976), without exact basionym page: *S. joannis* subsp. *germanica*.  
glabrinoda M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 51 (1975 publ. 1976)—U.S.S.R. (Crimea).  
graniticola M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 68 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
gussonei B. Moraldo in *Webbia*, 40(2): 221 (1986)—Sicily, Italy.  
heterophylla M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 49 (1975 publ. 1976)—U.S.S.R. (Crimea).  
hirticulmis S.L. Hatch, Ĵ. Valdés R. & C.W. Morden in *Syst. Bot.*, 11(1): 186 (1986)—Mexico.  
huallancaensis Tovar in *Publ. Mus. Hist. Nat. Javier Prado*, B, 33: 11 (1985); cf. M.E. Barkworth in *Taxon*, 39(4): 610 (1990)—Peru.  
iberica  
subsp. *austroiberica* H. Scholz in *Willdenowia*, 19(1): 129 (1989), as 'austro-iberica'—Spain.  
isoldeae H. Scholz in *Willdenowia*, 19(1): 127 (1989)—Greece.  
kelibiae B. Moraldo, M. Raffaelli & C. Ricceri in *Candollea*, 44(1): 80 (1989)—Tunisia.  
keniensis (Pilger) H. Freitag in *Davis & Hedge Festschrift (ed. Kit Tan)*: 122 (1989): *Oryzopsis keniensis*.  
subsp. *somaliensis* H. Freitag in *Davis & Hedge Festschrift (ed. Kit Tan)*: 124 (1989)—Somali Republic.  
kralifii B. Moraldo, M. Raffaelli & C. Ricceri in *Candollea*, 44(1): 80 (1989)—Tunisia.  
lanata Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 68 (1986)—Australia (W. Australia, S. Australia).  
maeotica M.V. Klokov & V.V. Osýchnyuk in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 60 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
majalis M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 43 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
var. *setulosissima* (Klok.) N.N. Tsvelev in *Byull. Mosk. Obshch. Ispýt. Prir., Biol.*, 91(1): 121 (1986): *S. setulosissima*.  
mandavillei H. Freitag in *Davis & Hedge Festschrift (ed. Kit Tan)*: 118 (1989)—Oman.  
manrakica Yu.A. Kotukhov in *Bot. Zhurn.*, 74(3): 414 (1989)—U.S.S.R. (Middle Asia).  
martinovskiy M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 37 (1975 publ. 1976)—U.S.S.R. (Crimea).  
mayeri Ĵ.O. Martinovský in *Acta Bot. Croat.*, 30: 145 (1971)—Yugoslavia.  
melzeri (Martinovský) M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 67 (1975 publ. 1976): *S. styriaca* var. *melzerii*.  
nicorae F.A. Roig in *Giorn. Bot. Ital.*, 121(1–2): 41 (1987)—Argentina.  
nullarboresis Ĵ.W. Vickery, S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 88 (1986)—Australia (W. Australia).  
oligotricha B. Moraldo in *Webbia*, 40(2): 248 (1986)—Italy.  
subsp. *kiemii* (Martinovský) B. Moraldo in *Webbia*, 40(2): 250 (1986): *S. pennata* subsp. *kiemii*.  
oreades M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 46 (1975 publ. 1976)—U.S.S.R. (Crimea, Caucasus).  
pennata  
subsp. *iberica* (Martinovský) O. de Bolòs, R.M. Masalles & Ĵ. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): *S. iberica*.  
pilata S.W.L. Jacobs & Ĵ. Everett in *Telopea*, 3(1): 92 (1986)—Australia (S. Australia).  
poetica M.V. Klokov in *Novosti Sist. Vjšsh. Nizsh. Rast. (Kiev)*, 1975: 57 (1975 publ. 1976)—U.S.S.R. (Crimea, Caucasus).  
pulcherrima  
var. *karadagensis* N.N. Tsvelev in *Byull. Mosk. Obshch. Ispýt. Prir., Biol.*, 91(1): 121 (1986), nom. nov.: *S. heterophylla Klok.*  
ramosissima (Trin.) Nees in *Flora*, 11(1:19): 301 (1828): *Urachne ramosissima*.†

**STIPA** :-

- scabra  
 subsp. falcata (Hughes) J.W. Vickery, S.W.L. Jacobs & J. Everett in *Telopea*, 3(1): 110 (1986): S. falcata.  
 setulosissima M.V. Klokov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 33 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
 sicula B. Moraldo, V. La Valva, M. Ricciardi & G. Caputo in *Delpinoa*, 23–24: 139 (1981–1982 publ. 1985)—Sicily.  
 soukupii O. Tovar in *Opusc. Bot. Pharm. Complutensis*, 4: 90 (1988)—Peru.  
 speciosa  
 var. ciliata F.A. Roig in *Giorn. Bot. Ital.*, 121(1–2): 43 (1987)—Argentina.  
 transcarpatica M.V. Klokov in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 54 (1975 publ. 1976)—U.S.S.R. (Ukraine).  
 velutina J.W. Vickery, S.W.L. Jacobs & J. Everett in *Telopea*, 3(1): 126 (1986)—Australia (S. Australia, W. Australia).  
 veneta B. Moraldo in *Webbia*, 40(2): 238 (1986)—Italy.  
 wakoolica J.W. Vickery, S.W.L. Jacobs & J. Everett in *Telopea*, 3(1): 129 (1986)—Australia (New South Wales).  
 yatesensis C. Marticorena & M. Quezada in *Gayana, Bot.*, 43(1–4): 149 (1986), nom. nov.: *Ortachne breviseta Hitchc.*  
 zalesskii  
 var. glabrata (P. Smirn.) N.N. Tsvelev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(1): 120 (1986): S. rubens proles glabrata.  
 var. maeotica (Klok.) N.N. Tsvelev in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 91(1): 121 (1986): S. maeotica.

**STIPAGROSTIS** (Gramin.).

- barbata H. Scholz in *Willdenowia*, 17(1–2): 107 (1988)—Iran, Afghanistan.  
 pellytronis B. De Winter in *Bothalia*, 20(1): 85 (1990)—Namibia.  
 pennata  
 var. scabriglumis (Henrard) H. Scholz in *Willdenowia*, 17(1–2): 108 (1988): *Aristida pennata* var. *scabriglumis*.  
 seelyae B. De Winter in *Bothalia*, 20(1): 82 (1990)—Namibia.  
 szovitsiana (Trin. & Rupr.) S.G. Musaev in *Bot. Zhurn.*, 72(1): 94 (1987): *Aristida plumosa* var. *szovitsiana*.

**STIXIS** (Capparac.).

- manipurensis D.B. Deb & R.C. Rout in *J. Bombay Nat. Hist. Soc.*, 86(1): 86 (1989)—India.  
 nayarii R. Sundara Raghavan in *Bull. Bot. Surv. India*, 28(1–4): 191 (1986 publ. 1988)—Burma.

**STOIBRAX** (Umbellif.).

- didymum (Sonder) B.L. Burt in Davis & Hedge *Festschrift (ed. Kit Tan)*: 145 (1989): *Ptychotis didyma*.  
 hanotei (Br.-Bl. & Maire) B.L. Burt in Davis & Hedge *Festschrift (ed. Kit Tan)*: 146 (1989): *Tragiopsis hanotei*.  
 involucreatum (Maire) B.L. Burt in Davis & Hedge *Festschrift (ed. Kit Tan)*: 146 (1989): *Trachyspermum involucreatum*.  
 pomelianum (Maire) B.L. Burt in Davis & Hedge *Festschrift (ed. Kit Tan)*: 146 (1989): *Trachyspermum pomelianum*.

**STOMATOCHAETA** (Compos.).

- acuminata J.F. Pruski in *Brittonia*, 41(1): 35 (1989)—Venezuela.

**STOMATOSTEMMA** (Asclepiadac.).

- pendulina H.J.T. Venter & D.V. Field in *Bot. J. Linn. Soc.*, 99(4): 398 (1989)—Mozambique.

**STRAMENTOPAPPUS** H. Robinson & V.A. Funk in

- Bot. Jahrb.*, 108(2–3): 227 (1987). **COMPOSITAE**.  
 pooleae (B. Turner) H. Robinson & V.A. Funk in *Bot. Jahrb.*, 108(2–3): 227 (1987): *Vernonia pooleae*.

**STRANVAESIA** (Rosac.).

- davidiana  
 var. suoxiyuensis C.J. Qi & C.L. Peng in *J. Wuhan Bot. Res.*, 7(3): 239 (1989)—China.

**STRAVADIUM** (Lecythidac.).

- neo-caledonicum (Viell.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 76 (1989): *Barringtonia neo-caledonica*.

**STREBLUS** (Morac.).

- sect. Ampalis (Bojer) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 358 (1988): gen. Ampalis.  
 banksii (Cheeseman) C.J. Webb in *New Zealand J. Bot.*, 25(1): 136 (1987): *Paratrophis banksii*.  
 dimepate (Bureau) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 358 (1988): *Pachytrophe dimepate*.  
 usambarensis (Engler) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 357 (1988): *Sloetiopsis usambarensis*.

**STREPTANTHUS** (Crucif.).

- brachiatus  
 subsp. hoffmanii R.W. Dolan & L.F. LaPré in *Madroño*, 36(1): 36 (1989)—U.S.A. (California).  
 morrisonii  
 subsp. kruckebergii R.W. Dolan & L.F. LaPré in *Madroño*, 36(1): 39 (1989)—U.S.A. (California).

**STREPTOCALYX** (Bromeliac.).

- colombianus  
 var. laxus E. Gross in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 72 (1988)—Colombia.  
 lugoi A.J. Gilmartin & H.E. Luther in *J. Bromeliad Soc.*, 40(5): 208 (1990)—Ecuador.  
 seidelii E.M.C. Leme in *Bradea*, 4(39): 313 (1987)—Brazil.

**STREPTOCARPUS** (Gesneriac.).

- arcuatus O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 229 (1986)—Malawi.  
 bindseili E. Fischer in *Feddes Repert.*, 99(9–10): 387 (1988)—Rwanda.  
 dolichanthus O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 230 (1986)—Malawi.  
 eylesii  
 subsp. silvicola O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 231 (1986)—Malawi.  
 montis-bingae O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 46(3): 321 (1990)—Mozambique.

**STREPTOCHAETA** (Gramin.).

- spicata  
 subsp. ecuatoriana E.J. Judziewicz & T.R. Soderstrom in *Smithsonian Contrib. Bot.*, 68: 39 (1989)—Ecuador.

**STREPTOLIRION** (Commelinac.).

- volubile  
 subsp. subalpinum C.Y. Wu in *Fl. Yunnanica*, 3: 683 (1983)—China.

**STREPTOPETALUM** (Turnerac.).

- arenarium M. Thulin in *Nordic J. Bot.*, 10(3): 277 (1990)—Somali Republic.

**STRIGA** (Scrophulariac.).

- brouilletii R. Mielcarek in *Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 124 (1988)—Guinea.  
 ellenbergeri A. Raynal-Roques in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 351 (1989 publ. 1990)—Mali.  
 gastonii A. Raynal-Roques in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(3): 226 (1987 publ. 1988)—Central African Republic.  
 glumacea A. Raynal-Roques in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(3): 224 (1987 publ. 1988)—Guinea, Guinea Bissau, Senegal.  
 squamigera W.R. Barker in *J. Adelaide Bot. Gard.*, 13: 92 (1990)—Australia (W. Australia, N. Terr.).

**STRIGA** :-

- yemenica L.J. Musselman & F.N. Hepper in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 47 (1988)—Yemen, Ethiopia.

**STROBILANTHES** (Acanthac.).

- guangxiensis S.Z. Huang in *Guihaia*, 6(3): 179 (1986)—China.  
 hamiltonianus (Steudel) J. Bosser & H. Heine in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 148 (1988): *Ruellia hamiltoniana*.

**STROMANTHE** (Marantac.).

- macrochlamys (Woodson & Standley) H. Kennedy & D.H. Nicolson in *Brittonia*, 39(1): 139 (1987): *Calathea macrochlamys*.  
 ramosissima L. Andersson in *Fl. Ecuador*, 32(224): 174 (1988)—Ecuador.

**STROMBOCACTUS** (Cactac.).

- disciformis  
 var. seidelii (Fric) Crkal, Lovc *Kaktusu*: 401 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): *S. turbiniformis* var. *seidelii*.

**STRUTHANTHUS** (Loranthac.).

- aequatoris J. Kuijt in *Fl. Ecuador*, 24(32C): 149 (1986)—Ecuador.  
 burgeri J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 121 (1990)—Costa Rica.  
 dentatus J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 122 (1990)—Guatemala.  
 filipes J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 122 (1990)—Mexico, Guatemala.  
 quadrangularis J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 125 (1990)—Costa Rica.  
 subtilis J. Kuijt in *Ann. Missouri Bot. Gard.*, 74(3): 529 (1987)—Panama.  
 umbellatus J. Kuijt in *Proc. Kon. Nederl. Akad. Wetensch.*, 93(2): 126 (1990)—French Guiana.

**STRUTHIOLA** (Thymelaeac.).

- angustiloba Peterson & O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 219 (1986)—South Africa (Natal).

**STRYCHNOS** (Loganiac.).

- sect. *Angustiflorae* Trần Công Khánh in *Feddes Repert.*, 98(1–2): 88 (1987).  
 subsect. *Nitidae* Trần Công Khánh in *Feddes Repert.*, 98(1–2): 83 (1987).  
 subsect. *Wallichianae* Trần Công Khánh in *Feddes Repert.*, 98(1–2): 84 (1987).  
 daclacensis Trần Công Khánh in *Feddes Repert.*, 97(11–12): 748 (1986)—Vietnam.  
 nicaraguensis M.J. Huft in *Ann. Missouri Bot. Gard.*, 75(1): 383 (1988)—Nicaragua.  
 sonlaensis Trần Công Khánh in *Feddes Repert.*, 97(11–12): 749 (1986)—Vietnam.  
 vanprukii  
 var. acuminata (A.W. Hill) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 291 (1990): *S. aenea* var. *acuminata*.

**STRYPHODENDRON** (Legumin.).

- sect. *Elenaea* C.T. Rizzini & E.P. Heringer in *Rev. Brasil. Biol.*, 47(3): 449, 448 (1987), without type.  
 barbatulum C.T. Rizzini & E.P. Heringer in *Rev. Brasil. Biol.*, 47(3): 449 (1987)—Brazil.  
 heringeri E.M. de Lamare Occhioni in *Bol. Mus. Bot. Kuhlmann*, 8(1): 63 (1985)—Brazil.  
 porcatum D.A. Neill & E.M. de Lamare Occhioni in *Ann. Missouri Bot. Gard.*, 76(1): 357 (1989)—Ecuador.  
 sallesianum E.P. Heringer & C.T. Rizzini in *Rev. Brasil. Biol.*, 47(3): 450 (1987)—Brazil.

**STYLIDIUM** (Stylidiac.).

- edentatum A. Lowrie & S. Carlquist in *Phytologia*, 67(5): 368 (1989)—Australia (W. Australia).  
 lowricanum S. Carlquist in *Phytologia*, 67(5): 370 (1989)—Australia (W. Australia).

**STYLOCHAETON** (Arac.).

- bogneri S.J. Mayo in *Fl. Trop. E. Afr., Arac.*: 53 (1985), as '*Stylochiton*'—Tanzania, Kenya.  
 milneanus S.J. Mayo in *Fl. Trop. E. Afr., Arac.*: 47 (1985), as '*Stylochiton*'—Tanzania.

**STYLOCHAETON** :-

oligocarpum *H. Riedl in Linz. Biol. Beitr.*, 22(1): 297 (1990), as 'Stylochiton'—Ethiopia.

**STYLOGYNE** (Myrsinac.).

bracteolata (*Lundell*) *J.F. Pipoly in Ernstia*, 53: 2 (1989): *Cybianthus bracteolatus*.  
lasseri (*Lundell*) *J.F. Pipoly in Ernstia*, 53: 4 (1989): *Ardisia lasseri*.  
membranacea *J.F. Pipoly in Ernstia*, 53: 6 (1989)—Venezuela.

**STYLOSANTHES** (Legumin.).

guianensis  
var. pauciflora *M. Brandão, N.M.S. Costa & R. Schultze-Kraft in Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 323 (1985), without latin descr. or type—Brazil, Colombia.

**STYPHELIA** (Epacridac.).

violaceospicata (*Guillaumin*) *G. McPherson in Bull. Mus. Nation. Hist. Nat., B. Adansonia, Ser. 4*, 7(4): 453 (1985 publ. 1986): *Leucopogon violaceospicatus*.

**STYPHNOLOBIUM** (Legumin.).

caudatum *M. Sousa S. & Rudd in Ann. Missouri Bot. Gard.*, 77(3): 573 (1990)—Nicaragua.  
conzattii (*Standley*) *M. Sousa S. & Rudd in Ann. Missouri Bot. Gard.*, 77(3): 575 (1990): *Sophora conzattii*.

**STYRAX** (Styracac.).

bashanensis *S.Z. Qu & K.Y. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 27 (1989)—China.  
japonica  
var. longipedunculata *Z.Y. Zhang in Fl. Tsinlingensis*, 1(4): 395, 63 (1983)—China.  
var. nervillosa *Z.Y. Zhang in Fl. Tsinlingensis*, 1(4): 395, 63 (1983)—China.  
macrocarpa *C.Y. Wu in Fl. Yunnanica*, 3: 427 (1983)—China.  
mallotifolia *C.Y. Wu in Fl. Yunnanica*, 3: 420 (1983)—China.

**SUAEDA** (Chenopodiace.).

arcuata *A. Bunge, Beitr. Fl. Russl.*: 285 (1852)—U.S.S.R. (Middle Asia).†  
foliosa  
subsp. tenuifolia (*Phil.*) *A. Galán-Mera in Lazaroa*, 11: 195 (1989), with incorrect basionym ref.: Basionym not stated.  
×genesiana *J. Pedrol & S. Castroviejo in An. Jard. Bot. Madrid*, 45(1): 97 (1988)—Spain. (S. pruinosa × vera).  
maritima  
subsp. spicata (*Willd.*) *O. de Bolòs & J. Vigo, Fl. Països Catalans*, 2: 798 (1990): *Salsola spicata*.  
pelagica *G. Bartolo, S. Brullo & P. Pavone in Willdenowia*, 16(2): 391 (1987)—Italy (Lampedusa Is.).  
vera  
var. braun-blauquetii *J. Pedrol & S. Castroviejo in An. Jard. Bot. Madrid*, 45(1): 95 (1988)—Spain.

**SUAREZIA** C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 585 (1989). **ORCHIDACEAE**.  
ecuadorana C.H. Dodson in  *Ic. Pl. Trop.*, Ser. 2, 6: t. 585 (1989)—Ecuador.

**SUBPILOCEREUS** (Cactac.).

mortensenii (*Croizat*) *B. Trujillo & M. Ponce in Ernstia*, 47: 28 (1988): *Pilocereus mortensenii*.  
repandus  
subsp. micracanthus (*Hummelinck*) *B. Trujillo & M. Ponce in Ernstia*, 47: 28 (1988): *Cereus margaritensis* var. *micracanthus*.

**SUCCISA** (Dipsacac.).

lacerifolia (*Hayata*) *R. Verlaque in Rev. Cytol. Biol. Vég. Bot.*, 9(1): 13 (1986), without basionym ref.: *Scabiosa lacerifolia*.  
pratensis  
subsp. hirsuta (*Opiz*) *J. Chrtek in Čas. Nár. Muz. (Prague)*, 152(2): 100 (1983): *S. hirsuta*.  
subsp. scotiaca (*Baksay*) *J. Chrtek in Čas. Nár. Muz. (Prague)*, 152(2): 100 (1983): *S. pratensis* var. *scotiaca*.

**SULCOREBUTIA** (Cactac.).

augustinii *G. Hentzschel in Succulenta*, 68(7–8): 147 (1989)—Bolivia.  
fischeriana *K. Augustin in Kakt. And. Sukk.*, 38(9): 216 (1987)—Bolivia.  
kruegeri  
var. hoffmanniana (*Backbg.*) *J.D. Donald in Succulenta*, 65(10): 208 (1986): *Lobivia hoffmanniana*.  
mariana *H. Swoboda in Succulenta*, 68(1): 4 (1989)—Bolivia.  
menesesii  
var. kamiensis *A.J. Brederoo & J.D. Donald in Succulenta*, 65(8): 155 (1986)—Bolivia.  
var. muschii (*Vasq.*) *J.D. Donald in Succulenta*, 65(10): 208 (1986): *S. muschii*.  
steinbachii  
var. australis *W. Rausch in Succulenta*, 65(11): 240 (1986)—Bolivia.  
tiraquensis  
var. aglaia (*Brandt*) *Šida in Kaktusy (Brno)*, 26(1): 19 (1990): *Weingartia aglaia*.  
vizcarrae  
var. laui *A.J. Brederoo & J.D. Donald in Succulenta*, 65(3): 52 (1986)—Bolivia.

**SUMMERHAYESIA** (Orchidac.).

rwandensis *D. Geerinck in Fl. Rwanda - Spermatophytes*, 4: 624 (1988)—Rwanda.

**SUNAPTEA** (Dipterocarpace.).

badiifolia (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 611 (1987): *Vatica badiifolia*.  
brevipes (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 612 (1987): *Vatica brevipes*.  
brunigii (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 612 (1987): *Vatica brunigii*.  
burckii (*Heim*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 612 (1987): *Vatica burckii*.  
compressa (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 613 (1987): *Vatica compressa*.  
congesta (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 613 (1987): *Vatica congesta*.  
coriacea (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 613 (1987): *Vatica coriacea*.  
endertii (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Vatica endertii*.  
flavovirens (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Vatica flavovirens*.  
guangxiensis (*Mo*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Vatica guangxiensis*.  
heteroptera (*Sym.*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Vatica heteroptera*.  
javanica (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Vatica javanica*.  
lanceolata (*Craib*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 614 (1987): *Cotylelobium lanceolatum*.  
mangachapoi (*Blanco*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 616 (1987): *Vatica mangachapoi*.  
maritima (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 617 (1987): *Vatica maritima*.  
melanoxylon (*Hooker f.*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 617 (1987): *Anisoptera melanoxylon*.

**SUNAPTEA** :-

micrantha (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 618 (1987): *Vatica micrantha*.  
mindanaensis (*Foxw.*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 618 (1987): *Vatica mindanaensis*.  
obovata (*van Slooten*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 619 (1987): *Vatica obovata*.  
obtusifolia (*Elmer*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 619 (1987): *Vatica obtusifolia*.  
pachyphylla (*Merr.*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 621 (1987): *Vatica pachyphylla*.  
parvifolia (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 621 (1987): *Vatica parvifolia*.  
rynchocarpa (*Ashton*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 621 (1987): *Vatica rynchocarpa*.  
scaphifolia (*Kosterm.*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 622 (1987): *Vatica scaphifolia*.  
teysmanniana (*Burck*) *A.J.G.H. Kostermans in Proc. Third Round Table Conf. on Dipterocarps (ed. A.J.G.H. Kostermans)*: 622 (1987): *Vatica teysmanniana*.

**SUNDACARPUS** (Buchh. & Gray) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 378 (1988 publ. 1989): *Podocarpus* sect. *Sundacarpus* (*Podocarpac.*).

amara (*Blume*) C.N. Page in *Notes Roy. Bot. Gard. Edinburgh*, 45(2): 378 (1988 publ. 1989): *Podocarpus amara*.

**SUTERA** (Scrophulariac.).

beverlyana O.M. Hilliard & B.L. Burt in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 216 (1986)—Lesotho.  
silenioides O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 43(2): 216 (1986)—South Africa (Natal).

**SVENKOELTZIA** P. Burns-Balogh in *Orchidee*, 40(1): 12 (1989). **ORCHIDACEAE**.  
congestiflora (*L.O. Williams*) P. Burns-Balogh in *Orchidee*, 40(1): 12 (1989): *Spiranthes congestiflora*.

**SWAINSONA** (Legumin.).

affinis (A.T. Lee) *J. Thompson in Telopea*, 4(1): 2 (1990): *S. microphylla* subsp. *affinis*.  
bracteata (*Maiden & Betche*) *J. Thompson in Telopea*, 4(1): 1 (1990): *S. greyana* var. *bracteata*.  
extrajacens *J. Thompson in Telopea*, 4(1): 3 (1990)—Australia (New South Wales, S. Australia).  
formosa (G. Don) *J. Thompson in Telopea*, 4(1): 4 (1990): *Donia formosa*.  
purpurea (A.T. Lee) *J. Thompson in Telopea*, 4(1): 4 (1990): *S. stipularis* var. *purpurea*.  
queenslandica *J. Thompson in Telopea*, 4(1): 1 (1990)—Australia (New South Wales, Queensland).  
similis *J. Thompson in Telopea*, 4(1): 2 (1990)—Australia (New South Wales, Queensland).

**SWERTIA** (Gentianac.).

ser. *Ciliatae* *Sunita Garg née Agrawal, Gentianac. N.W. Himalayas (Internat. Biosci. Monog. 17)*: 167 (1987).  
ser. *Racemosae* *Sunita Garg née Agrawal, Gentianac. N.W. Himalayas (Internat. Biosci. Monog. 17)*: 185 (1987).  
alpina U.C. Bhattacharyya & *Sunita Agrawal in Bull. Bot. Soc. Bengal*, 36(1–2): 47 (1982 publ. 1986); see also *Sunita Garg née Agrawal, Gentianac. N.W. Himalayas (Internat. Biosci. Monog. 17)*: 181 (1987)—India.

**SWERTIA** :-

- bifolia  
*var. wardii* (Marq.) T.N. He in *Fl. Xizangica*, 3: 985 (1986); S. wardii.  
 brownii *J. Shah in Pakistan J. Forest.*, 38(2): 82 (1988), nom. nov.: S. calycina Brown.  
 dichotoma  
*var. punctata* T.N. He & J.X. Yang in *Fl. Tsinlingensis*, 1(4): 397, 126 (1983), as 'punctatum'—China.  
 elongata T.N. He & S.W. Liu ex J.X. Yang in *Fl. Tsinlingensis*, 1(4): 397, 124 (1983)—China.  
 hispidicalyx  
*var. subglabra* (Marq.) T.N. He in *Fl. Xizangica*, 3: 992 (1986); S. hispidicalyx f. subglabra.  
 jiendeensis Y.Y. Fang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 90 (1987)—China.  
 lactea A. Bunge, *Beitr. Fl. Russl.*: 217 (1852)—U.S.S.R. (Middle Asia).  
 laticalyx *J. Shah in Pakistan J. Forest.*, 38(2): 80 (1988), as 'latycalyx'—China.  
 nepalensis *J. Shah in Pakistan J. Forest.*, 38(2): 79 (1988)—Nepal.  
 pauciflora (Dalz.) *J. Shah in Pakistan J. Forest.*, 38(2): 81 (1988): Ophelia pauciflora.  
 rosulata (Baker) *J. Klackenberg in Fl. Madagascar*, fam. 168 & 168 bis: 165 (1990): Exacum rosulatum.  
 scottii *J. Shah in Pakistan J. Forest.*, 38(2): 80 (1988)—Ethiopia.  
 taylorii *J. Shah in Pakistan J. Forest.*, 38(2): 79 (1988)—Xizang.  
 teres (G. Don) *J. Shah in Pakistan J. Forest.*, 38(2): 81 (1988): Ophelia teres.  
 umbellata (Hook.) *J. Shah in Pakistan J. Forest.*, 38(2): 82 (1988): Ophelia umbellata.  
 woodii *J. Shah in Pakistan J. Forest.*, 38(2): 80 (1988)—Yemen, Saudi Arabia.

**SWIDA** (Cornac.).

- controversa (Hemsl.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 604 (1987), as 'Svida', isonym; see Moldenke in *Phytologia*, 17: 114 (1968): Cornus controversa.  
 macrophylla (Wall.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 605 (1987), as 'Svida', isonym; see Sojak in *Novit. Bot. & Del. Sem. Hort. Bot. Univ. Carol. Prague*: 10 (1960): Cornus macrophylla.  
 sericea (L.) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 606 (1987), as 'Svida', isonym; see Holub in *Folia Geobot. Phytotax.*, 2: 427 (1967): Cornus sericea.

**SWIETENIA** (Meliac.).

- febrifuga Roxb., *Bot. Descr. Swietenia*: 1 (1793); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982)—India.

**SWINTONIA** (Anacardiaceae).

- parkinsonii (Fischer) A.J.G.H. Kostermans in *Blumea*, 33(2): 347 (1988): Mangifera parkinsonii.  
 whitmorei (Kochummen) A.J.G.H. Kostermans in *Blumea*, 33(2): 347 (1988): Mangifera whitmorei.

**SYAMA** (Amaranthac.).

- lata L.W. Dillwyn, *Rev. Hortus Malab.*: 34 (1839); fide D.J. Mabberley in *Taxon*, 26(5-6): 534 (1977)—India.

**SYCOPSIS** (Hamamelidac.).

- sinensis  
*subsp. formosana* (Kanehira) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 101 (1988): Distylium formosanum.

**SYMBOLANTHUS** (Gentianac.).

- aracamunensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 76(4): 958 (1989)—Venezuela.  
 camanensis B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 17 (1989)—Venezuela.  
 elisabethae  
*subsp. occidentalis* B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 17 (1989)—Venezuela.  
 huachamacariensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1083 (1988)—Venezuela.  
 yaviensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1084 (1988)—Venezuela.  
 yutajensis B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 17 (1989)—Venezuela.

**SYMPHYTUM** (Boraginac.).

- carpatium Yu.M. Frolov in *Bot. Zhurn.*, 72(10): 1396 (1987)—U.S.S.R. (Ukraine).  
 davisii  
*subsp. cycladense* (Pawl.) W.T. Stearn in *Ann. Mus. Goulandris*, 7: 196 (1986): S. cycladense.  
*subsp. icaricum* (Pawl.) W.T. Stearn in *Ann. Mus. Goulandris*, 7: 198 (1986): S. icaricum.  
*subsp. naxicola* (Pawl.) W.T. Stearn in *Ann. Mus. Goulandris*, 7: 194 (1986): S. naxicola.  
 sylvaticum  
*var. hordokopii* (Kurtto) R.R. Mill in *Fl. Turkey & E. Aegean Is.*, 10: 188 (1988): S. sepulcrale var. hordokopii.

**SYMPLOCARPUS** (Arac.).

- nipponicus  
*f. viridispatus* J. Ohara in *J. Phytogeogr. Taxon.*, 33(2): 81 (1985)—Japan.

**SYMPLOCOS** (Symplocac.).

- sect. Glomeratae Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 193 (1986).  
 sect. Singuliflorae Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 193 (1986).  
 acananensis J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 656 (1987)—Venezuela.  
 adenopus  
*var. vestita* Huang & Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 202 (1986)—China.  
 ambangensis H.P. Nootboom in *Blumea*, 33(1): 263 (1988)—Celebes.  
 anomala  
*f. kiraishiensis* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 595 (1987): S. kiraishiensis.  
*f. matudae* (Hatusima) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 595 (1987): Bobua morrisonicola var. matudai.  
*var. morrisonicola* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 593 (1987): S. morrisonicola.  
 ascidiiformis Y.F. Wu in *Fl. Xizangica*, 3: 860 (1986), nom. illegit., type different from S. ascidiiformis Y.F. Wu (1982)—Xizang.  
 azuensis D.H. Mai in *Feddes Repert.*, 97(1-2): 13 (1986)—Hispaniola (Dominican Republic).  
 cochinchinensis  
*var. puberula* Huang & Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 202 (1986)—China.  
 costatifructa H.P. Nootboom in *Blumea*, 31(2): 277 (1986)—Borneo (Sarawak, Brunei, Sabah).  
 dolichostylosa Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 195 (1986)—China.  
 flavescens  
*var. pseudonitida* (Guillaumin) H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 304 (1989 publ. 1990): S. pseudonitida.  
 glauca  
*var. koshunensis* (Kanehira) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 578 (1987): S. koshunensis.  
 glomerata  
*var. glomeratifolia* (Hayata) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 578 (1987): S. glomeratifolia.  
 hookeri  
*var. tomentosa* Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 202 (1986)—China.  
 hottae H. Nagamasu in *Acta Phytotax. Geobot.*, 37(4-6): 149 (1986)—Sumatra.  
 iliaspaiensis H.P. Nootboom in *Blumea*, 31(2): 279 (1986)—Borneo (Sarawak, ?Kalimantan).  
 incahuasensis A. Sagastegui-Alva & M.O. Dillon in *Brittonia*, 41(1): 32 (1989)—Peru.  
 junshanensis Q.X. Liu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(3): 89 (1988)—China.  
 kemiriensis H. Nagamasu in *Blumea*, 35(1): 229 (1990)—Sumatra.  
 lancifolia  
*var. hualiensis* (Ying) S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 2: 572 (1987): S. hualiensis.  
 martinicensis  
*subsp. jamaicensis* (Kr. & Urb.) D.H. Mai in *Feddes Repert.*, 97(1-2): 15 (1986): S. jamaicensis.  
*subsp. strigillosa* (Kr. & Urb.) D.H. Mai in *Feddes Repert.*, 97(1-2): 15 (1986): S. strigillosa.

**SYMPLOCOS** :-

- montana  
*var. baptica* (Brongn. & Gris) H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 299 (1989 publ. 1990): S. baptica.  
*var. munda* (S. Moore) H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 301 (1989 publ. 1990): S. munda.  
*var. tortuosa* (Guillaumin) H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 299 (1989 publ. 1990): S. tortuosa.  
*var. ultrabasis* H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 300 (1989 publ. 1990)—New Caledonia.  
 neocaledonica (Vieill.) H.P. Nootboom in *Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 11(3): 305 (1989 publ. 1990): Chasseloupia neocaledonica.  
 oblanceolata Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 198 (1986)—China.  
 ovatifracteata Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 195 (1986)—China.  
 panamensis G. McPherson in *Ann. Missouri Bot. Gard.*, 75(1): 375 (1988)—Panama.  
 persistens Huang & Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 199 (1986)—China.  
 pulchra  
*subsp. coriacea* R. Gopalan & A.N. Henry in *J. Econ. Taxon. Bot.*, 12(2): 481 (1988 publ. 1989)—India.  
 rachitricha Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 196 (1986)—China.  
 simaoensis Y.Y. Qian in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 41 (1989)—China.  
 tetragona Chen ex Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 194 (1986)—China.  
 wenshanensis Huang & Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 199 (1986)—China.  
 wuliangshanensis Huang & Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 199 (1986)—China.  
 yizhangensis Y.F. Wu in *Acta Phytotax. Sin.*, 24(3): 200 (1986)—China.

**SYNADENIUM** (Euphorbiac.).

- calycinum S. Carter in *Kew Bull.*, 42(3): 670 (1987)—Tanzania.  
 compactum  
*var. rubrum* S. Carter in *Kew Bull.*, 42(3): 669 (1987)—Kenya.  
 glabratum S. Carter in *Kew Bull.*, 42(3): 667 (1987)—Zambia, Tanzania.

**SYNCRARPHA** (Compos.).

- affinis (B. Nord.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Helipterum affine.  
 argentea (Thunb.) B. Nordenstam in *Compositae Newsl.*, 17: 6 (1989): Xeranthemum argenteum.  
 argyropsis (DC.) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helipterum argyropsis.  
 canescens (L.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Xeranthemum canescens.  
*subsp. leucolepis* (DC.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Helipterum canescens var.  $\gamma$  leucolepis.  
*subsp. tricolor* (DC.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Helipterum canescens var.  $\delta$  tricolor.  
 dregeana (DC.) B. Nordenstam in *Compositae Newsl.*, 17: 3 (1989): Helipterum dregeanum.  
 dykei (H. Bol.) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helichrysum dykei.  
 eximia (L.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Gnaphalium eximium.  
 ferruginea (Lam.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Xeranthemum ferrugineum.  
 flava (Compt.) B. Nordenstam in *Compositae Newsl.*, 17: 4 (1989): Helipterum flavum.  
 lepidopodium (H. Bol.) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helichrysum lepidopodium.  
 loganiana (Compt.) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helipterum loganianum.  
 marlothii (Schlechter) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helipterum marlothii.  
 milleflora (L.f.) B. Nordenstam in *Compositae Newsl.*, 17: 3 (1989): Gnaphalium milleflorum.  
 montana (B. Nord.) B. Nordenstam in *Compositae Newsl.*, 17: 5 (1989): Helipterum montanum.  
 paniculata (L.) B. Nordenstam in *Compositae Newsl.*, 17: 6 (1989): Xeranthemum paniculatum.



**SYNCARPHA** :-

- recurvata* (L.f.) *B. Nordenstam* in *Compositae Newsl.*, 17: 6 (1989): *Xeranthemum recurvatum*.  
*sordescens* (DC.) *B. Nordenstam* in *Compositae Newsl.*, 17: 6 (1989): *Helichrysum sordescens*.  
*speciosissima* (L.) *B. Nordenstam* in *Compositae Newsl.*, 17: 5 (1989): *Xeranthemum speciosissimum*.  
*subsp. angustifolia* (DC.) *B. Nordenstam* in *Compositae Newsl.*, 17: 5 (1989): *Helipterum speciosissimum* var. *β angustifolium*.  
*striata* (Thunb.) *B. Nordenstam* in *Compositae Newsl.*, 17: 6 (1989): *Xeranthemum striatum*.  
*variegata* (Berg.) *B. Nordenstam* in *Compositae Newsl.*, 17: 5 (1989): *Xeranthemum variegatum*.  
*vestita* (L.) *B. Nordenstam* in *Compositae Newsl.*, 17: 5 (1989): *Xeranthemum vestitum*.  
*virgata* (Berg.) *B. Nordenstam* in *Compositae Newsl.*, 17: 4 (1989): *Xeranthemum virgatum*.  
*zeyheri* (Sond.) *B. Nordenstam* in *Compositae Newsl.*, 17: 5 (1989): *Helipterum zeyheri*.

**SYNIMA** (Sapindac.).

- macrophylla* S.T. Reynolds in *Fl. Australia*, 25: 202, 82 (1985)—Australia (Queensland).

**SYNOTIS** (Compos.).

- borii* (Raizada) R. Mathur in *J. Econ. Taxon. Bot.*, 8(2): 482 (1986); et in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 74 (1988): *Senecio borii*.  
*cappa*  
*var. parishii* (Hook. f.) H. Koyama in *Acta Phytotax. Geobot.*, 39(4-6): 161 (1988): *Senecio densiflorus* var. *parishii*.  
*var. pubescens* (Kitamura) H.B. Naithani, *Flav. Pl. India, Nepal & Bhutan*: 241 (1990): *Senecio densiflorus* var. *pubescens*.  
*jowaiensis* (Balak.) R. Mathur in *J. Econ. Taxon. Bot.*, 8(2): 482 (1986); et in R.R. Rao et al., *Fl. Ind. Enumerat. - Asterac.*: 74 (1988): *Senecio jowaiensis*.  
*muliensis* Y.L. Chen in *Acta Phytotax. Sin.*, 26(1): 54 (1988)—China.  
*palmarisecta* Y.L. Chen & J.D. Liu in *Acta Phytotax. Sin.*, 26(1): 55 (1988)—China.  
*phuakensis* H. Koyama in *Acta Phytotax. Geobot.*, 39(4-6): 162 (1988)—Thailand.

**SYNOUM** A. Jussieu in Mirb. & Cass. apud Guill. in Bull. Sci. Nat. Geol., 23: 237 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 66 (1982). **MELIACEAE**.**SYNTHYRIS** (Scrophulariac.).

- missurica*  
*subsp. stellata* (Pennell) J.T. Kartesz & K.N. Gandhi in *Phytologia*, 67(6): 464 (1989): *S. stellata*.

**SYNURUS** (Compos.).

- taiwanianus* S.S. Ying in *J. Jap. Bot.*, 63(2): 49 (1988)—Taiwan.

**SYRINGA** (Oleac.).

- chuanxiensis* S.Z. Qu & X.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 39 (1989)—China.  
*debelderorum* J.L. Fiala, *Lilacs, Gen. Syringa*: 48 (1988), as 'debelderi'—Korea.  
*dilatata*  
*f. alba* (Wang-Wei & Skv.) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 493 (1986): *S. dilatata* var. *alba*.  
*f. longituba* (Wang-Wei & Skv.) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 493 (1986): *S. dilatata* var. *longituba*.  
*f. rubra* (Wang-Wei & Skv.) Y.L. Chou, *Ligneous Fl. Heilongjiang*: 493 (1986): *S. dilatata* var. *rubra*.  
*komarowii*  
*var. reflexa* (Schneid.) Jian ex M.C. Chang & X.L. Chen in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 35 (1990): *S. reflexa*.  
*meyeri*  
*f. alba* (Wang, Fuh & Chao) M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 33 (1990): *S. microphylla* var. *alba*.  
*var. spontanea* M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 33 (1990)—China.

**SYRINGA** :-

- microphylla*  
*var. flavoanthera* X.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 41 (1989)—China.  
*var. giraldiana* (Schneid.) S.Z. Qu & X.L. Chen in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(3): 41 (1989): *S. giraldiana*.  
*oblata*  
*var. donaldii* J.L. Fiala, *Lilacs, Gen. Syringa*: 62 (1988)—Korea.  
*protolaciniata* P.S. Green & M.C. Chang in *Kew Mag.*, 6(3): 121 (1989)—China.  
*pubescens*  
*subsp. julianae* (Schneid.) M.C. Chang & X.L. Chen in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 34 (1990): *S. julianae*.  
*subsp. microphylla* (Diels) M.C. Chang & X.L. Chen in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 34 (1990): *S. microphylla*.  
*subsp. patula* (Palibin) M.C. Chang & X.L. Chen in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 34 (1990): *Ligustrum patulum*.  
*suspensa* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 57 (1784)—Japan.†  
*yunnanensis*  
*f. pubicalyx* (Jian ex P.Y. Bai) M.C. Chang in *Invest. Stud. Nat., Mus. Hist. Nat. Shanghaiense*, 10: 35 (1990): *S. yunnanensis* var. *pubicalyx*.

**SYSTEMOTHECA** J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 85 (1989). **POLYGONACEAE**.

- vortriedei* (Brandegee) J.L. Reveal & C.B. Hardham in *Phytologia*, 66(2): 85 (1989): *Chorizanthe vortriedei*.

**SYZYGIUM** (Myrtac.).

- album* Q.F. Zheng in *Fl. Fujianica*, 4: 633 (1989 publ. 1990)—China.  
*artense* Montr. ex A. Guillaumin & G. Beauvisage in *Ann. Soc. Bot. Lyon*, 38: 92 (1913 publ. 1914); et *Sp. Montrouz.*: 18 (1914) (reprint), nom. nov.: *S. nitidum Brongn. & Gris*.†  
*christophersenii* W.A. Whistler in *J. Arnold Arbor.*, 69(2): 186 (1988)—Samoa.  
*cordemoyi* J. Bosser & T. Cadet in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(1): 30 (1987)—Réunion.  
*coriaceum* J. Bosser & J. Guého in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(1): 34 (1987)—Mauritius.  
*dubium* (Perry) A.C. Smith in *Fl. Vitiensis Nova*, 3: 324 (1985): *S. brackenridgei* var. *dubium*.  
*graeffei* W.A. Whistler in *J. Arnold Arbor.*, 69(2): 175 (1988)—Samoa.  
*jainii* K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*: 398 (1985)—India.  
*mamillatum* J. Bosser & J. Guého in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(1): 36 (1987)—Mauritius.  
*minus* A.C. Smith in *Fl. Vitiensis Nova*, 3: 336 (1985)—Fiji.  
*nervosum*  
*var. obovatum* (Kurz) A. Kumar in *J. Econ. Taxon. Bot.*, 7(3): 664 (1985 publ. 1986): *Eugenia operculata* var. *obovata*.  
*parameswaranii* M. Mohanan & A.N. Henry in *J. Bombay Nat. Hist. Soc.*, 84(2): 409 (1987 publ. 1988)—India.  
*petrinense* J. Bosser & J. Guého in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(1): 36 (1987)—Mauritius.  
*praecox* (Roxb.) K. Haridasan & R.R. Rao, *Forest Fl. Meghalaya*: 401 (1985): *Eugenia praecox*.  
*purpureum* (Perry) A.C. Smith in *Fl. Vitiensis Nova*, 3: 332 (1985): *S. diffusum* var. *purpureum*.  
*vaupelii* W.A. Whistler in *J. Arnold Arbor.*, 69(2): 172 (1988)—Samoa.  
*xizangense* H.T. Chang & Miao in *Fl. Xizangica*, 3: 343 (1986)—Xizang.

**T****TABEBUIA** (Bignoniac.).

- bullata* A.H. Gentry in *Moscossa*, 5: 134 (1989)—Hispaniola (Dominican Republic).  
*gemmiflora* C.T. Rizzini & A. de Mattos-Filho in *Rev. Brasil. Biol.*, 46(2): 320 (1986)—Brazil.  
*ovatifolia* I. de Vattimo in *Rodriguésia*, 38-40(64-66): 1 (1986-1988 publ. 1989)—Brazil.  
*vinosa* A.H. Gentry in *Moscossa*, 5: 136 (1989)—Hispaniola (Dominican Republic).  
*zanonii* A.H. Gentry in *Moscossa*, 5: 138 (1989)—Hispaniola (Dominican Republic).

**TABERNAEMONTANA** (Apocynac.).

- aurantiaca*  
*f. anguinea* (Hemsl.) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 3 (1987 publ. 1988): *T. anguinea*.  
*celastroides* (Kerr) P.T. Li in *Guihaia*, 6(3): 173 (1986): *Ervatamia celastroides*.  
*ceratocarpa* (Kerr) P.T. Li in *Guihaia*, 6(3): 173 (1986): *Ervatamia ceratocarpa*.  
*chengkiangensis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 169 (1986): *Ervatamia chengkiangensis*.  
*chocoensis* (A. Gentry) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 4 (1987 publ. 1988): *Bonafousia chocoensis*.  
*colombiensis* (Allorge) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 5 (1987 publ. 1988): *Bonafousia colombiensis*.  
*continentalis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 170 (1986): *Ervatamia continentalis*.  
*var. pubiflora* (Tsiang) P.T. Li in *Guihaia*, 6(3): 170 (1986): *Ervatamia continentalis* var. *pubiflora*.  
*elliptica* C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg., ed. 14*: 255 (1784)—Japan.†  
*flabelliformis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 170 (1986): *Ervatamia flabelliformis*.  
*guangdongensis* P.T. Li in *Guihaia*, 6(3): 169 (1986), nom. nov.: *Ervatamia puberula* Tsiang & P.T. Li.  
*hainanensis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 169 (1986): *Ervatamia hainanensis*.  
*holothuria* (Mgf.) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 12 (1987 publ. 1988): *Stenosolen holothuria*.  
*kwangsiensis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 171 (1986): *Ervatamia kwangsiensis*.  
*kweichowensis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 171 (1986): *Ervatamia kweichowensis*.  
*latifolia* (Michx.) Parmentier, *Cat. Pl. Enghien*: 77 (1818); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): *Basionym* not stated.  
*lucilae* A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 14 (1987 publ. 1988), nom. nov.: *T. brachyantha* Woods.  
*officinalis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 172 (1986): *Ervatamia officinalis*.  
*peninsularis* (Kerr) P.T. Li in *Guihaia*, 6(3): 173 (1986): *Pagiantia peninsularis*.  
*prancei* (Allorge) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 22 (1987 publ. 1988): *Bonafousia prancei*.  
*rotensis* (Kanehira) P.T. Li in *Guihaia*, 6(3): 172 (1986): *Ervatamia rotensis*.  
*thailandensis* P.T. Li in *Guihaia*, 6(3): 172 (1986), nom. nov.: *Ervatamia calcicola* Kerr.  
*tsiangiana* P.T. Li in *Guihaia*, 6(3): 171 (1986), nom. nov.: *Ervatamia tenuiflora* Tsiang.  
*yunnanensis* (Tsiang) P.T. Li in *Guihaia*, 6(3): 171 (1986): *Ervatamia yunnanensis*.  
*var. heterosepala* (Tsiang) P.T. Li in *Guihaia*, 6(3): 171 (1986): *Ervatamia yunnanensis* var. *heterosepala*.

**TABERNANTHE** (Apocynac.).

- elliptica* (Staff) A.J.M. Leeuwenberg in *Agric. Univ. Wageningen Pap.*, 87(5): 1 (1987 publ. 1988): *Daturicarpa elliptica*.

**TACARCUNA** M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1080 (1989). **EUPHORBIACEAE**.

- amanoifolia* M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1082 (1989)—Peru.  
*gentryi* M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1081 (1989)—Panama.  
*tachirensis* M.J. Huft in *Ann. Missouri Bot. Gard.*, 76(4): 1083 (1989)—Venezuela.

**TACCARUM** (Arac.).

cardenasianum *J. Bogner in Willdenowia*, 19(1): 195 (1989)—Bolivia.

**TACHIADENUS** (Gentianac.).

boivinii *Humbert ex J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(1): 68 (1987)—Madagascar.

pervillei *Humbert ex J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(1): 68 (1987)—Madagascar.

**platypterus**

*subsp. angustialatus* (Humbert) *J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(1): 65 (1987): *T. platypterus* var. *angustialatus*.

umbellatus *J. Klackenberg in Bull. Mus. Nation. Hist. Nat., B, Adansonia*, Ser. 4, 9(1): 73 (1987)—Madagascar.

**TACINGA** (Cactac.).

braunii *E. Esteves Pereira in Kakt. And. Sukk.*, 40(6): 135 (1989)—Brazil.

**TACOANTHUS** (Acanthac.).

pearcei *H.E. Baillon in Bull. Soc. Linn. Paris*, 2: 832 (1890)—Bolivia.†

**TAENIATHERUM** (Gramin.).**crintum**

var. *caput-medusae* (L.) *J.K. Wipff in Sida*, 13(1): 120 (1988): *Elymus caput-medusae*.

**TAENIOPETALUM** (Umbellif.).

peucedanoides *A. Bunge, Beitr. Fl. Russl.*: 127 (1852)—U.S.S.R. (European Russia).†

**TAENIOPHYLLUM** (Orchidac.).

confusum *P.J. Kores & L. Jonsson in Allertonia*, 5(1): 208 (1989)—Fiji.

fasciculatum *L.V. Aver'yanov in Bot. Zhurn.*, 73(3): 425 (1988)—Vietnam.

insulare *G. Seidenfaden in Op. Bot.*, 95: 20 (1988)—Thailand.

quadrilobum *G. Seidenfaden in Op. Bot.*, 95: 22 (1988)—Thailand.

smithii *P.J. Kores & L. Jonsson in Allertonia*, 5(1): 211 (1989)—Fiji.

**TAGETES** (Compos.).

epapposa *B.L. Turner in Phytologia*, 65(2): 130 (1988)—Mexico.

oaxacana *B.L. Turner in Phytologia*, 65(2): 129 (1988)—Mexico.

**TAINIA** (Orchidac.).

ovalifolia (*Ames & Schweinf.*) *L.A. Garay & W. Kittredge in Bot. Mus. Leaflet. Harvard Univ.*, 30(3): (59) 193 (1985 publ. 1986): *Eulophia ovalifolia*.

taiwaniana *S.S. Ying in Quart. J. Chinese Forest.*, 20(2): 55 (1987)—Taiwan.

**TAKHTAJANIANTHUS** A.B. De in *Current Sci.*, 57(11): 615 (1988). **COMPOSITAE**.

bombycina (*Boiss. & Haussk.*) A.B. De in *Current Sci.*, 57(11): 615 (1988): *Postia bombycina*.

lanuginosa (*Boiss.*) A.B. De in *Current Sci.*, 57(11): 615 (1988): *Postia lanuginosa*.

microcephala (*Boiss.*) A.B. De in *Current Sci.*, 57(11): 615 (1988): *Postia microcephala*.

puberula (*Boiss. & Haussk.*) A.B. De in *Current Sci.*, 57(11): 615 (1988): *Postia puberula*.

**TALISIA** (Sapindac.).

amaruayana *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1070 (1988)—Venezuela.

caudata *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1072 (1988)—Venezuela.

glandulifera *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1072 (1988)—French Guiana, Venezuela.

heterodoxa *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1073 (1988)—Venezuela.

pentantha *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1075 (1988)—Venezuela.

sancarlosiana *J.A. Steyermark in Ann. Missouri Bot. Gard.*, 75(3): 1075 (1988)—Venezuela.

**TAMARIX** (Tamaricac.).

arceuthoides *A. Bunge, Beitr. Fl. Russl.*: 119 (1852)—U.S.S.R. (Middle Asia).†

**chinensis**

*subsp. austromongolica* (Nakai) *S.Q. Zhou in Fl. Intramongolica*, Ser. 2, 3: 523 (1989): *T. austromongolica*.

gansuensis *H.Z. Zhang ex P.Y. Zhang & M.T. Liu in Acta Bot. Bor.-Occid. Sin.*, 8(4): 259 (1988)—China.

jintaensis *P.Y. Zhang & M.T. Liu in Acta Bot. Bor.-Occid. Sin.*, 8(4): 260 (1988), as 'jintaenaia' but see pp. 259 & 261—China.

karelinii *A. Bunge, Beitr. Fl. Russl.*: 118 (1852)—Locality not stated.†

leptostachya *A. Bunge, Beitr. Fl. Russl.*: 117 (1852)—U.S.S.R. (Middle Asia).†

sachensis *P.Y. Zhang & M.T. Liu in Acta Bot. Bor.-Occid. Sin.*, 8(4): 262 (1988)—Xinjiang.

tarimensis *P.Y. Zhang & M.T. Liu in Acta Bot. Bor.-Occid. Sin.*, 8(4): 263 (1988)—Xinjiang.

**TAMONEA** (Verbenac.).

boxiana (*Moldenke*) *R.A. Howard in Phytologia*, 65(4): 288 (1988): *Ghinea boxiana*.

**TANACETOPSIS** (Compos.).

*subsect. Eriopodium* *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 173 (1987).

*sect. Handeliiformium* *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 176 (1987).

*sect. Santoanum* *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 176 (1987).

doabensis (*Podl.*) *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 172 (1987): *Tanacetum doabense*.

freitagii (*Podlech*) *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 175 (1987): *Tanacetum freitagii*.

hedgei (*Podl.*) *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 24: 174 (1987): *Tanacetum hedgei*.

korovinii *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 23: 242 (1986)—U.S.S.R. (Middle Asia).

popovii *R. Kam. & S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 23: 244 (1986)—U.S.S.R. (Middle Asia).

**TANACETUM** (Compos.).

*sect. Afghanica* *D. Podlech in Fl. Iran.*, 158: 124 (1986).

*sect. Ajania* (*Poljak.*) *D. Podlech in Fl. Iran.*, 158: 125 (1986): gen. *Ajania*.

*sect. Hemipappus* (*C. Koch*) *D. Podlech in Fl. Iran.*, 158: 135 (1986): gen. *Hemipappus*.

*sect. Hippolytia* (*Poljak.*) *D. Podlech in Fl. Iran.*, 158: 132 (1986): gen. *Hippolytia*.

*sect. Lepidolopsis* (*Poljak.*) *D. Podlech in Fl. Iran.*, 158: 135 (1986): gen. *Lepidolopsis*.

*sect. Paleacea* *D. Podlech in Fl. Iran.*, 158: 142 (1986).

*sect. Paradoxa* *D. Podlech in Fl. Iran.*, 158: 143 (1986).

*sect. Parthenium* (*Briq.*) *D. Podlech in Fl. Iran.*, 158: 98 (1986): *T.* *subsect. Parthenium*.

*sect. Pyrethrellum* (*Tzvel.*) *D. Podlech in Fl. Iran.*, 158: 100 (1986): *Pyrethrum sect. Pyrethrellum*.

*sect. Richteria* (*Kar. & Kir.*) *D. Podlech in Fl. Iran.*, 158: 106 (1986): gen. *Richteria*.

*sect. Tanacetopsis* (*Tzvel.*) *D. Podlech in Fl. Iran.*, 158: 127 (1986): *Cancrinia* *sect. Tanacetopsis*.

*sect. Xylanthemum* (*Tzvel.*) *D. Podlech in Fl. Iran.*, 158: 137 (1986): gen. *Xylanthemum*.

*sect. Xylopyrethrum* (*Tzvel.*) *D. Podlech in Fl. Iran.*, 158: 102 (1986): *Pyrethrum sect. Xylopyrethrum*.

afghanicum (*Gilli*) *D. Podlech in Fl. Iran.*, 158: 127 (1986): *Chrysanthemum afghanicum*.

archibaldii *D. Podlech in Fl. Iran.*, 158: 105 (1986)—Iran.

bamianicum *D. Podlech in Fl. Iran.*, 158: 123 (1986)—Afghanistan.

corymbosum

var. *tenuifolium* (*Willd.*) *D. Podlech in Mitt. Bot. Staatssamml. München*, 27: 70 (1988): *Pyrethrum tenuifolium*.

crassicollum (*Rech. f.*) *D. Podlech in Fl. Iran.*, 158: 133 (1986): *Chrysanthemum crassicollum*.

djilgense (*Franch.*) *D. Podlech in Fl. Iran.*, 158: 107 (1986): *Chrysanthemum djilgense*.

doabense *D. Podlech in Fl. Iran.*, 158: 131 (1986)—Afghanistan.

**TANACETUM** :—

douglasii *A.P. de Candolle, Prodromus*, 6: 128 (1837 publ. 1838)—North America.†

**eriobasis**

*subsp. tricholepis* *D. Podlech in Fl. Iran.*, 158: 130 (1986)—Afghanistan.

freitagii *D. Podlech in Fl. Iran.*, 158: 132 (1986)—Afghanistan.

ghoratense *D. Podlech in Fl. Iran.*, 158: 125 (1986)—Afghanistan.

gillettii *D. Podlech in Fl. Iran.*, 158: 140 (1986)—Iraq.

hedgei *D. Podlech in Fl. Iran.*, 158: 130 (1986)—Afghanistan.

hololeucum (*Bornm.*) *D. Podlech in Fl. Iran.*, 158: 105 (1986): *Pyrethrum hololeucum*.

maymanense *D. Podlech in Fl. Iran.*, 158: 124 (1986)—Afghanistan.

mindshelkense *S.S. Kovalevskaya in Novosti Sist. Vyssh. Rast.*, 23: 240 (1986)—U.S.S.R. (Middle Asia).

nuristanicum *D. Podlech in Fl. Iran.*, 158: 146 (1986)—Afghanistan.

oshanahanii *A. Marrero, R. Febles & C. Suarez in Bot. Macaronésica*, 17: 4 (1989)—Canary Is.

paghmanense *D. Podlech in Fl. Iran.*, 158: 141 (1986)—Afghanistan.

pakistanicum *D. Podlech in Fl. Iran.*, 158: 101 (1986)—Pakistan.

paleaceum *D. Podlech in Fl. Iran.*, 158: 143 (1986)—Afghanistan.

**polyccephalum**

*subsp. argyrophyllum* (*C. Koch*) *D. Podlech in Fl. Iran.*, 158: 117 (1986): *Gymnocline argyrophylla*.

*subsp. azerbaijanicum* *D. Podlech in Fl. Iran.*, 158: 119 (1986)—Iran, Iraq.

*subsp. duderanum* (*Boiss.*) *D. Podlech in Fl. Iran.*, 158: 120 (1986): *Pyrethrum duderanum*.

*subsp. farsicum* *D. Podlech in Fl. Iran.*, 158: 118 (1986)—Iran.

*subsp. heterophyllum* (*Boiss.*) *D. Podlech in Fl. Iran.*, 158: 117 (1986): *T. heterophyllum*.

*subsp. junesarense* (*Bornm.*) *D. Podlech in Fl. Iran.*, 158: 119 (1986): *Chrysanthemum junesarense*.

salsugineum *D. Podlech in Fl. Iran.*, 158: 147 (1986)—Iran.

silvicola *D. Podlech in Fl. Iran.*, 158: 144 (1986)—Afghanistan.

staphianum (*Rech. f.*) *D. Podlech in Fl. Iran.*, 158: 112 (1986): *Chrysanthemum staphianum*.

tenuisectum (*Boiss.*) *D. Podlech in Fl. Iran.*, 158: 103 (1986): *Pyrethrum tenuisectum*.

tirinese *D. Podlech in Fl. Iran.*, 158: 145 (1986)—Afghanistan.

trifoliolatum *D. Podlech in Fl. Iran.*, 158: 147 (1986)—Iran.

zangezuricum *N.S. Khandzhyan in Biol. Zhurn. Arm.*, 35(1): 72 (1982), nom. nov.: *Pyrethrum komarovii Sosn.*

**TANAKEA** (Saxifragac.).**omeiensis**

var. *nanchuanensis* *W.T. Wang in Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 8 (1989)—China.

**TANQUANA** *H. Hartmann & S. Liede in Bot. Jahrb.*, 106(4): 479 (1986). **AIZOACEAE**.

archeri (*L. Bolus*) *H. Hartmann & S. Liede in Bot. Jahrb.*, 106(4): 480 (1986): *Pleiospilos archeri*.

hilmarii (*L. Bolus*) *H. Hartmann & S. Liede in Bot. Jahrb.*, 106(4): 481 (1986): *Pleiospilos hilmarii*.

prismatica (*Schwantes*) *H. Hartmann & S. Liede in Bot. Jahrb.*, 106(4): 481 (1986), basionym nom. nud.: *Mesembryanthemum prismaticum*.

**TAPEINOSPERMA** (Myrsinac.).

commutatum *H. Sleumer in Blumea*, 33(1): 104 (1988)—Bougainville Is., British Solomon Is., New Britain, Santa Cruz Is. (South Pacific).

cuspidatum *H. Sleumer in Blumea*, 33(1): 103 (1988)—British Solomon Is., Bougainville Is.

**TAPEINOSTEMON** (Gentianac.).

breweri *J. Steyermark & B. Maguire in Acta Bot. Venezuel.*, 14(3): 24 (1984)—Venezuela.

**TAPIPHYLLUM** (Rubiaceae).

## cinerascens

- var. inaequale (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 144 (1987): T. inaequale.  
 var. laetum (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 145 (1987): T. laetum.  
 var. laevius (K. Schum.) B. Verdcourt in *Kew Bull.*, 42(1): 144 (1987): *Vangueria velutina* var. laevior.  
 var. richardsii (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 145 (1987): T. richardsii.

**TAPIRIRA** (Anacardiaceae).

## guianensis

- subsp. subandina A. Barfod & L.B. Holm-Nielsen in *Nordic J. Bot.*, 6(4): 425 (1986)—Colombia, Ecuador.  
 velutinifolia (Cowan) L. Marcano Berti in *Pittieria*, 13: 23 (1986): *Bursera velutinifolia*.

**TAPLINIA** N.S. Lander in *Nuytsia*, 7(1): 37 (1989). **COMPOSITAE**.

- saxatilis N.S. Lander in *Nuytsia*, 7(1): 38 (1989)—Australia (W. Australia).

**TAPURA** (Dichapetalaceae).

- carinata F.J. Breteler in *Agric. Univ. Wageningen Pap.*, 86(3): 53 (1986)—Gabon, Congo - Brazzaville.  
 magnifolia G.T. Prance in *Brittonia*, 40(4): 445 (1988)—Ecuador.

**TARAXACUM** (Compos.).

- sect. *Ruderalia* J. Kirschner, H. Øllgaard & J. Štěpánek in *Taxon*, 36(3): 615 (1987).  
 sect. *Sonchidium* (DC.) J. Kirschner & J. Štěpánek in *Taxon*, 36(3): 617 (1987): *Dubyaea* sect. *Sonchidium*.  
*aestuanum* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 73 (1988)—Albania.  
*alaskanum*  
 var. *ulvelkotii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 305 (1987)—U.S.S.R. (Soviet Far East).  
*amansii* J. Hofstra in *Bull. Soc. Bot. France, Lett. Bot.*, 135(4-5): 377 (1988 publ. 1989)—France.  
*amgense* V.B. Kuvaev in *Novosti Sist. Vyssh. Rast.*, 24: 203 (1987)—U.S.S.R. (Siberia).  
*aquitani* J. Hofstra in *Bull. Soc. Bot. France, Lett. Bot.*, 135(4-5): 377 (1988 publ. 1989)—France.  
*bachczisaraicum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 23: 258 (1986)—U.S.S.R. (Crimea).  
*badzhalsense* V.N. Voroshilov & S.D. Shlotgauér in *Byull. Mosk. Obsch. Ispyt. Priro., Biol.*, 91(3): 115 (1986)—U.S.S.R. (Soviet Far East).  
*bohemicum* J. Kirschner & J. Štěpánek in *Preslia*, 58(2): 99 (1986)—Czechoslovakia.  
*botanicorum* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 74 (1988)—Albania.  
*cognatum* J. Kirschner & J. Štěpánek in *Preslia*, 58(2): 106 (1986)—Czechoslovakia, Austria, Hungary.  
*croceum*  
 var. *repletum* (Dahlst.) N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 275 (1987): T. *croceum* subsp. *repletum*.  
*czukoticum* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 315 (1987)—U.S.S.R. (Soviet Far East).  
*declivicola* J. Kirschner, C.E. Sonck & J. Štěpánek in *Ann. Bot. Fenn.*, 26(3): 345 (1989)—Greece.  
*discretum* H. Øllgaard in *Nordic J. Bot.*, 6(1): 21 (1986)—Denmark, Sweden, Great Britain, Netherlands, France, Germany, Poland, Austria, U.S.A. (Maine, Vermont, Connecticut).  
*domabile* J. Kirschner & J. Štěpánek in *Preslia*, 58(2): 102 (1986)—Czechoslovakia, Hungary.  
*extimium* J. Kirschner, C.E. Sonck & J. Štěpánek in *Ann. Bot. Fenn.*, 26(3): 343 (1989)—Greece.  
*gaditanum* S. Talavera in *Lagascalia*, 14(1): 161 (1986)—Spain.  
*gustavianum* C.E. Sonck in *Mem. Soc. Fauna Flora Fenn.*, 64(2): 83 (1988)—Finland.  
*hesperium* C.C. Haworth in *Watsonia*, 18(2): 134 (1990)—Great Britain.  
*hypanicum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 23: 256 (1986)—U.S.S.R. (Ukraine).  
*hyparcticum*  
 var. *schamurini* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 301 (1987)—U.S.S.R. (Soviet Far East).

**TARAXACUM** :-

- indonesicum* C.E. Sonck in *Ann. Bot. Fenn.*, 24(3): 307 (1987)—Java.  
*inopinatum* C.C. Haworth in *Watsonia*, 18(2): 131 (1990)—Great Britain.  
*junatovii* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 221 (1987)—Mongolia.  
*korjakorum*  
 var. *korobkovii* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 291 (1987)—U.S.S.R. (Soviet Far East).  
*kozlovii* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 216 (1987)—China.  
*lateritium*  
 var. *amguemicum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 290 (1987)—U.S.S.R. (Soviet Far East).  
 var. *callorhinorum* (Hagl.) N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 290 (1987): T. *callorhinorum*.  
 var. *erdiljachicum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 290 (1987)—U.S.S.R. (Siberia).  
*macilentum*  
 var. *gracilipes* (Hagl.) N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 284 (1987): T. *gracilipes*.  
 var. *hyperboreum* (Dahlst.) N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 284 (1987): T. *hyperboreum*.  
 var. *subtubulosum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 284 (1987)—U.S.S.R. (Soviet Far East).  
 var. *tschuktschorum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 284 (1987)—U.S.S.R. (Soviet Far East).  
*margettii* C.C. Haworth in *Watsonia*, 18(2): 137 (1990)—Great Britain.  
*meyeri* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 78 (1988)—Albania.  
*multilepis* J. Kirschner & J. Štěpánek in *Preslia*, 58(2): 114 (1986)—France, Germany, Switzerland.  
*multisinuatum* J. Kirschner, C.E. Sonck & J. Štěpánek in *Ann. Bot. Fenn.*, 26(3): 345 (1989)—Greece.  
*nanaunii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 316 (1987)—U.S.S.R. (Soviet Far East).  
*neosivaschicum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 23: 259 (1986)—U.S.S.R. (Ukraine).  
*noterophilum* J. Kirschner, C.E. Sonck & J. Štěpánek in *Ann. Bot. Fenn.*, 26(3): 345 (1989)—Greece.  
*oellgaardii* C.C. Haworth in *Watsonia*, 18(2): 135 (1990)—Great Britain.  
*ohritense* C.E. Sonck in *Ann. Bot. Fenn.*, 24(2): 225 (1987)—Albania.  
*oppidanum* C.E. Sonck in *Ann. Bot. Fenn.*, 24(2): 226 (1987)—Albania.  
*panhellenicum* C.E. Sonck in *Ann. Bot. Fenn.*, 26(1): 51 (1989)—Greece.  
*porteri* C.C. Haworth in *Watsonia*, 18(2): 137 (1990)—Great Britain.  
*potaninii* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 220 (1987)—Xinjiang.  
*praegracilens* C.E. Sonck in *Ann. Bot. Fenn.*, 26(1): 52 (1989), nom. nov.: T. *pseudogracilens* Sonck.  
*przevalskii* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 218 (1987)—Xizang, China.  
 var. *nanjshanicum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 219 (1987)—China.  
*pseudogracilens* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 76 (1988)—Albania.  
*pseudomurbeckianum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 23: 257 (1986)—U.S.S.R. (Crimea).  
*pseudoplatylepium* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 313 (1987)—U.S.S.R. (Soviet Far East).  
*resperum* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 78 (1988)—Albania.  
*richardsianum* C.C. Haworth in *Watsonia*, 18(2): 133 (1990)—Great Britain.  
*roborovskii* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 215 (1987)—Xinjiang.  
*roseoflavescens* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 217 (1987)—Xizang.  
*sagii* C.E. Sonck in *Ann. Bot. Fenn.*, 27(1): 39 (1990)—France.  
*shqipericum* C.E. Sonck in *Ann. Bot. Fenn.*, 25(1): 82 (1988)—Albania.  
*sinotianschicum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 220 (1987)—Xinjiang.  
*skanderbegii* C.E. Sonck in *Ann. Bot. Fenn.*, 24(2): 229 (1987)—Albania.

**TARAXACUM** :-

## soczavae

- var. *tschuktschorum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 310 (1987)—U.S.S.R. (Soviet Far East).  
*subcoronatum* N.N. Tsvetlev in *Novosti Sist. Vyssh. Rast.*, 24: 218 (1987)—Xizang.  
*subolivaceum* C.E. Sonck in *Ann. Bot. Fenn.*, 23(2): 165 (1986)—Greece.  
*telmatophilum* J. Kirschner & J. Štěpánek in *Preslia*, 58(2): 104 (1986)—Czechoslovakia, Hungary.  
*tolmacevii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 311 (1987)—U.S.S.R. (Soviet Far East).  
*uschakovii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 313 (1987)—U.S.S.R. (Soviet Far East).  
 var. *pavlovii* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 315 (1987)—U.S.S.R. (Soviet Far East).  
 var. *pseudowrangelicum* B.A. Yurtsev in *Arktich. Fl. SSSR*, 10: 314 (1987)—U.S.S.R. (Soviet Far East).  
*vexatum* C.E. Sonck in *Ann. Bot. Fenn.*, 23(2): 167 (1986), nom. nov.: T. *laciosthyloides* Sonck.  
*wutaishanense* S. Kitamura in *Acta Phytotax. Geobot.*, 40(5-6): 145 (1989)—China.  
*zhukovae*  
 var. *anjuicum* N.N. Tsvetlev in *Arktich. Fl. SSSR*, 10: 306 (1987)—U.S.S.R. (Soviet Far East).

**TARENNA** (Rubiaceae).

- acutisepala* W.C. Chen in *Acta Phytotax. Sin.*, 24(6): 477 (1986)—China.  
*brevicymigera* W.C. Chen in *Acta Bot. Austro Sinica*, 3: 26 (1986)—Vietnam.  
*hexamera* (Schltr. & Krause) J. Jérémie in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(4): 400 (1987 publ. 1988): Bonatia hexamera.  
*joskei* (Horne ex Baker) A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 201 (1988): *Ixora joskei*.  
*luhomeroensis* D.M. Bridson in *Kew Bull.*, 42(1): 257 (1987)—Tanzania.  
*mussaendoides* (Craib) K.M. Wong in *Tree Fl. Malaya*, 4: 411 (1989): *Randia mussaendoides*.  
*roseicosta* D.M. Bridson in *Kew Bull.*, 42(1): 259 (1987)—Tanzania.  
*seemanniana* A.C. Smith & S.P. Darwin in *Fl. Vitiensis Nova*, 4: 198 (1988), nom. nov.: *Canthiopsis odorata* Seem.  
*uzungwaensis* D.M. Bridson in *Kew Bull.*, 42(1): 260 (1987)—Tanzania.

**TASMANNIA** (Winteraceae).

- glaucifolia* J.B. Williams in *Austral. J. Bot.*, 36(4): 396 (1988)—Australia (New South Wales).

**TASSADIA** (Asclepiadaceae).

- berterianum* (Sprengel) W.D. Stevens in *Phytologia*, 64(5): 335 (1988): *Oxypetalum berterianum*.  
*ivoniae* G. Morillo in *Ernstia*, 51: 13 (1989), as 'ivonae'—Venezuela.  
*kamaensis* (Morillo) G. Morillo in *Ernstia*, 51: 13 (1989): *Cynanchum kamaense*.  
*marahuacensis* G. Morillo in *Ernstia*, 51: 13 (1989)—Venezuela.  
*medinae* (Morillo) G. Morillo in *Ernstia*, 51: 14 (1989): *Cynanchum medinae*.  
*subulata*  
 var. *tomentosa* (Fourn.) J. Fontella Pereira in *Eugeniana*, 17: 26 (1990): *Amphistelma tomentosum*.

**TAUSCHIA** (Umbellif.).

- hintoniorum* L. Constance & J. Affolter in *Syst. Bot.*, 12(2): 286 (1987)—Mexico.  
*infernicola* L. Constance & J. Affolter in *Syst. Bot.*, 12(2): 289 (1987)—Mexico.  
*moorei* L. Constance & J. Affolter in *Syst. Bot.*, 12(2): 291 (1987)—Mexico.

**TAVERNIERA** (Legumin.).

- albida* M. Thulin in *Symb. Bot. Upsal.*, 25(1): 89 (1985)—South Yemen.  
*brevialata* M. Thulin in *Symb. Bot. Upsal.*, 25(1): 82 (1985)—Oman.  
*echinata* V. Mozaffarian in *Iranian J. Bot.*, 4(1): 64 (1988), as 'Tavernieria'—Iran.  
*longisetosa* M. Thulin in *Symb. Bot. Upsal.*, 25(1): 85 (1985)—Somali Republic.

**TAVERNIERA** :-

- multinoda *M. Thulin in Symb. Bot. Upsal.*, 25(1): 83 (1985)—Somali Republic, Oman, ?South Yemen.  
 oligantha (*Franch.*) *M. Thulin in Symb. Bot. Upsal.*, 25(1): 75 (1985): *T. schimperii* var. *oligantha*.

**TAXILLUS** (Loranthac.).

- caloreas  
 var. *fargesii* (*Lect.*) *H.S. Kiu in Fl. Yunnanica*, 3: 368 (1983): *Loranthus caloreas* var. *fargesii*.  
*incanus* (*Trimen*) *D. Wiens in M.D. Dassanayake & F.R. Fosberg, eds., Revised Handb. Fl. Ceylon*, 6: 141 (1988): *Loranthus tomentosus* var. *incanus*.  
*kaempferi*  
 var. *obovata* *S. Hatusima in J. Phytogeogr. Taxon.*, 35(2): 63 (1987)—Japan.  
*limprichtii* (*Grüning*) *H.S. Kiu in Fl. Yunnanica*, 3: 368 (1983): *Loranthus limprichtii*.  
 var. *longiflorus* (*Lect.*) *H.S. Kiu in Fl. Yunnanica*, 3: 368 (1983): *Loranthus estipitatus* var. *longiflorus*.  
*sutchuenensis*  
 var. *duclouxii* (*Lect.*) *H.S. Kiu in Fl. Yunnanica*, 3: 369 (1983): *Loranthus duclouxii*.

**TAXUS** (Taxac.).

- macrophylla *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 895 (1784)—Japan.†  
 verticillata *C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14*: 895 (1784)—Japan.†  
 wallichiana  
 var. *yunnanensis* (*Cheng & L.K. Fu*) *C.T. Kuan in Fl. Sichuanica*, 2: 215 (1983): *T. yunnanensis*.

**TECLEA** (Rutac.).

- borenensis *M.G. Gilbert in Nordic J. Bot.*, 6(2): 141 (1986)—Kenya, Ethiopia.

**TECOMA** (Bignoniac.).

- stans  
 var. *mollis* (*H.B.K.*) *M.A. Siddiqi in Fl. Libya*, 103: 6 (1983): *T. mollis*.

**TELANTHERA** (Amaranthac.).

- brasilensis (*L. mut. Jacq.*) *Endl., Cat. Horti Vindob.*, 1: 265 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984): Basionym not stated.  
 porrigens (*Jacq.*) *Endl., Cat. Horti Vindob.*, 1: 265 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984): Basionym not stated.

**TELIPOGON** (Orchidac.).

- ariasii *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 184 (1989)—Peru.  
 cuyujensis *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 586 (1989)—Ecuador.  
 guacamayensis *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 589 (1989)—Ecuador.  
 hirtzii *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 590 (1989)—Ecuador.  
 hutchisonii *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 188 (1989)—Peru.  
 jimburensis *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 591 (1989)—Ecuador, Peru.  
 lueri *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 190 (1989)—Peru.  
 mendiolaie *C.H. Dodson & D.E. Bennett in Ic. Pl. Trop.*, Ser. 2, 2: t. 191 (1989)—Peru.  
 penningtonii *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 594 (1989)—Ecuador.  
 peruvianus *T. Hashimoto in Bull. Nation. Sci. Mus., B (Tokyo)*, 16(1): 21 (1990)—Peru.  
 steinii *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 596 (1989)—Ecuador.  
 thomasii *C.H. Dodson & Escobar in Ic. Pl. Trop.*, Ser. 2, 6: t. 597 (1989)—Ecuador, Peru.

**TELOSMA** (Asclepiadac.).

- celebica (*Warb.*) *M.A. Rahman & C.C. Wilcock in Blumea*, 34(2): 519 (1990): *Pergularia celebica*.  
 filipes (*Schlechter*) *M.A. Rahman & C.C. Wilcock in Blumea*, 34(2): 519 (1990): *Pergularia filipes*.

**TEPHROCACTUS** (Cactac.).

- weberi  
 var. *deminutus* *W. Rausch in Succulenta*, 65(12): 251 (1986)—Argentina.

**TEPHROSERIS** (Compos.).

- flammea  
 var. *chaetocarpa* (*C. Jeffrey & Y.L. Chen*) *Y.M. Yuan in Fl. Loess-Plat. Sin.*, 5: 354 (1989): *T. rufa* var. *chaetocarpa*.  
 helenitis  
 var. *discoidea* (*DC.*) *M. Kerguelen in Lejeunia*, 120: 173 (1987): *Senecio brachychaetus* var. *discoideus*.  
 integrifolia  
 subsp. *vindellicorum* *B. Krach in Mitt. Bot. Staatssamm. München*, 27: 76 (1988)—Germany.

**TEPHROSIA** (Legumin.).

- albifoliolis *A. Nongonierma & T. Sarr in Bull. Inst. Fond. Afr. Noire, A*, 44(3-4): 249 (1982 publ. 1986), without type—Niger, Senegal, Sudan.  
 albissima  
 subsp. *zuluensis* (*H.M.L. Forbes*) *B.D. Schrire in Bothalia*, 17(1): 13 (1987): *T. zuluensis*.  
 anomala *M. Thulin in Nordic J. Bot.*, 10(3): 273 (1990)—Somali Republic.  
 brummittii *B.D. Schrire in Bothalia*, 17(1): 12 (1987)—South Africa (Natal), Swaziland, Mozambique.  
 colonila (*Buch.-Ham.*) *G. Bentham in General Index to Vols. 1-25 Trans. Linn. Soc.*: 101 (1867); cf. *D.J. Mabberley in Taxon*, 26(5-6): 531 (1977): *Galega colonila*.†  
 feddemana *R. McVaugh, Fl. Novo-Galiciana*, 5: 712 (1987)—Mexico.  
 glomeruliflora  
 subsp. *meisneri* (*Hutch. & Burt Davy*) *B.D. Schrire in Bothalia*, 17(1): 14 (1987): *T. meisneri*.  
 guayameoensis *O. Téllez Valdés in An. Inst. Biol. Univ. Nac. Autón. Méx., Bot.*, 57: 33 (1986 publ. 1987)—Mexico.  
 hirta (*Buch.-Ham.*) *G. Bentham in General Index to Vols. 1-25 Trans. Linn. Soc.*: 101 (1867); cf. *D.J. Mabberley in Taxon*, 26(5-6): 531 (1977): *Galega hirta*.†  
 karkarensis *M. Thulin in Nordic J. Bot.*, 8(5): 463 (1989)—Somali Republic.  
 leiocarpa  
 var. *costenya* *R. McVaugh, Fl. Novo-Galiciana*, 5: 716 (1987)—Mexico.  
 macropoda  
 var. *diffusa* (*E. Mey.*) *B.D. Schrire in Bothalia*, 17(1): 12 (1987): *Apodynomene diffusa*.  
 natalensis  
 subsp. *pseudocapitata* (*H.M.L. Forbes*) *B.D. Schrire in Bothalia*, 17(1): 11 (1987): *T. pseudocapitata*.  
 pondoensis (*Codd*) *B.D. Schrire in Bothalia*, 15(3-4): 552 (1985): *Mundulea pondoensis*.  
 procumbens (*Buch.-Ham.*) *G. Bentham in General Index to Vols. 1-25 Trans. Linn. Soc.*: 101 (1867); cf. *D.J. Mabberley in Taxon*, 26(5-6): 531 (1977): *Galega procumbens*.†  
 purpurea  
 var. *yunnanensis* *Z. Wei in Acta Phytotax. Sin.*, 27(1): 76 (1989)—China.  
 quartianiana *Cuf. ex W. Greuter & Burdet in Willdenowia*, 16(2): 446 (1987), nom. nov.: *T. vicioides* *A. Rich.*  
 scopulata *M. Thulin in Nordic J. Bot.*, 8(5): 464 (1989)—Somali Republic.  
 smythiae *R. McVaugh, Fl. Novo-Galiciana*, 5: 726 (1987)—Mexico.  
 tricolor (*Hook.*) *Sweet, Hort. Brit.*, ed. 2: 142 (1830); cf. *D.J. Mabberley in Taxon*, 31(1): 72 (1982): Basionym not stated.

**TEPUIANTHUS** (Tepuianthac.).

- aracensis *J.A. Steyermark & Maguire in Acta Amazonica*, 16-17: 219 (1986-87 publ. 1987)—Brazil.

**TERMINALIA** (Combretac.).

- sect. *Ramatouella* (*Kunth*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989): gen. *Ramatouella*.  
 aridicola  
 subsp. *chillagoensis* (*Domin*) *L. Pedley in Fl. Australia*, 18: 326, 287 (1990): *T. chillagoensis*.

**TERMINALIA** :-

- chicharronia  
 subsp. *domingensis* (*Urban*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1125 (1989): *T. domingensis*.  
 subsp. *neglecta* (*Bisse*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1125 (1989): *T. neglecta*.  
 subsp. *orientensis* (*Monach.*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1125 (1989): *T. orientensis*.  
 crispilata (*Ducke*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989): *Ramatouella crispilata*.  
 eichleriana *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1127 (1989), nom. nov.: *T. punctata* *Eichler*.  
 hadleyana  
 subsp. *carpentariae* (*C. White*) *L. Pedley in Fl. Australia*, 18: 326, 284 (1990): *T. carpentariae*.  
 kuhlmannii *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989)—Brazil.  
 latipes  
 subsp. *psilocarpa* *L. Pedley in Fl. Australia*, 18: 326, 286 (1990), nom. nov.: *T. edulis* *F. Muell.*  
 oblongata  
 subsp. *volucris* (*R. Br. ex Benth.*) *L. Pedley in Fl. Australia*, 18: 327, 271 (1990): *T. volucris*.  
 prostrata *L. Pedley in Fl. Australia*, 18: 327, 284 (1990)—Australia (Queensland, N. Terr.).  
 psilantha *A.C. Smith in Fl. Vitiensis Nova*, 3: 428 (1985)—Fiji.  
 ramatuella *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989), nom. nov.: *Ramatouella argentea* *Kunth*.  
 steyermarkii *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989)—Venezuela.  
 uleana *Engl. ex A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1127 (1989)—Brazil.  
 virens (*Spruce ex Eichler*) *A.R.A. Alwan Al-Mayah & C.A. Stace in Ann. Missouri Bot. Gard.*, 76(4): 1126 (1989): *Ramatouella virens*.

- TERNIOPSIS** *H.C. Chao in Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 2 (1948 publ. 1949).  
**PODOSTEMACEAE**.  
*sessilis* *H.C. Chao in Contrib. Inst. Bot. Nation. Acad. Peiping*, 6(1): 4 (1948 publ. 1949)—China.

**TERNSTROEMIA** (Theac.).

- aracae *B.M. Boom in Brittonia*, 41(2): 136 (1989)—Brazil.  
 campincola *B.M. Boom in Brittonia*, 41(2): 138 (1989)—Venezuela, Colombia, Brazil.  
 dentispala *B. Bartholomew in Phytologia*, 64(6): 457 (1988)—Mexico.  
 guanchezii *B. Boom in Ann. Missouri Bot. Gard.*, 76(4): 970 (1989)—Venezuela.  
 huasteca *B. Bartholomew in Phytologia*, 64(6): 458 (1988)—Mexico.  
 lineata  
 subsp. *chalicophila* (*Loes.*) *B. Bartholomew in Phytologia*, 64(6): 458 (1988): *T. chalicophila*.  
 maguirei *B. Boom in Ann. Missouri Bot. Gard.*, 76(4): 973 (1989)—Venezuela.  
 prancei *B.M. Boom in Brittonia*, 41(2): 140 (1989)—Brazil.

**TERSONIA** (Gyrostemonac.).

- cyathiflora (*Fenzl*) *A.S. George ex J.W. Green, Census Vasc. Pl. W. Australia*, ed. 2: 6 (1985): *Haloragis cyathiflora*.

**TESSMANNIANTHUS** (Melastomatac.).

- carinatus *F. Almeda in Ann. Missouri Bot. Gard.*, 76(1): 2 (1989)—Panama.  
 cereifolius *F. Almeida in Brittonia*, 42(1): 7 (1990)—Panama.  
 gordonii *F. Almeda in Ann. Missouri Bot. Gard.*, 76(1): 4 (1989)—Panama.  
 quadridomius *J.J. Wurdack in Rev. Acad. Colomb. Cienc. Exact. Fis. Nat.*, 65: 247 (1989)—Colombia.



×**TETRACATTLEYA** hort. in *Orchid Rev.*, 98(1164): centre page pull-out p. 9 (1990). *ORCHIDACEAE*. (Cattleya × Tetramicra).

**TETRACHYRON** (Compos.).

oaxacana B.L. Turner in *Phytologia*, 60(4): 251 (1986)—Mexico.

websteri (Wussow & Urbatsch) B.L. Turner in *Phytologia*, 65(3): 241 (1988): T. orizabaensis var. websteri.

**TETRACME** (Crucif.).

quadricornis

f. pamirica (Vass.) H.L. Yang in *Fl. Desert. Reipubl. Popul. Sin.*, 2: 69 (1987): T. pamirica.

**TETRACOILANTHUS** F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 66 (1954). *AIZOACEAE*.

cordifolius (?) F. Rappa & V. Camarrone in *Lav. Ist. Bot. Giard. Colon. Palermo*, 14: 64, table opp. p. 62 (1954), without basionym ref.: Aptenia cordifolia.

**TETRADIA** R. Brown, *Pterocymbium*: 233 (4 June 1844). *STERCULIACEAE*. †

horsfieldii R. Brown, *Pterocymbium*: 233 (4 June 1844)—Java. †

×**TETRADIACRIUM** hort. in *Orchid Rev.*, 94(1117): centre page pull-out p. 8 (1986). *ORCHIDACEAE*. (Diacrium × Tetramicra).

**TETRAGASTRIS** (Burserac.).

occhionii (Rizzini) D.C. Daly in *Brittonia*, 41(1): 23 (1989): Protium occhionii.

**TETRAGONIA** (Aizoac.).

japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 467 (1784)—Japan. †

**TETRAGONOLOBUS** (Legumin.).

maritimus

var. hirsutus (Willk.) F. Muñoz Garmendia & J. Pedrol in *An. Jard. Bot. Madrid*, 44(2): 601 (1987): T. siliquosus var. hirsutus.

**TETRAMERANTHUS** (Annonac.).

globuliferus L.Y.T. Westra in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 262 (1988)—Ecuador.

**TETRAMERIUM** (Acanthac.).

sect. Siphonanthus T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 119 (1986).

sect. Torreyella Happ ex T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 109 (1986).

abditum (T.S. Brandegee) T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 113 (1986): Anisacanthus abditus.

angustus (Nees) T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 83 (1986): Blechum angustus.

butterwickianum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 89 (1986)—Mexico.

crenatum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 85 (1986)—Mexico.

denudatum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 42 (1986)—Peru.

emilyanum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 74 (1986)—Mexico.

guerrerense T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 101 (1986)—Mexico.

macvaughii T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 92 (1986), as 'mcvaughii'—Mexico.

oaxacanum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 77 (1986)—Mexico.

obovatum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 78 (1986)—Mexico.

ochotereneae (Miranda) T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 109 (1986): Anisacanthus ochotereneae.

**TETRAMERIUM** :-

peruvianum (Lindau) T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 119 (1986): Siphonoglossa peruviana.

rzedowskii T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 104 (1986)—Mexico.

sagasteguanum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 110 (1986)—Peru.

surcubambense T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 44 (1986)—Peru.

tetrameroides (Lindau) T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 82 (1986): Cardiacanthus tetrameroides.

wasshausenii T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 71 (1986)—Peru, Bolivia.

yaquianum T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 102 (1986)—Mexico.

zeta T.F. Daniel, *Syst. Tetramerium (Acanthac.) (Syst. Bot. Monog., 12)*: 66 (1986)—Peru.

**TETRAMOLOPIUM** (Compos.).

sect. Alpinum T.K. Lowrey in *Allertonia*, 4(4): 241 (1986).

sect. Sandwicense T.K. Lowrey in *Allertonia*, 4(4): 254 (1986).

arenarium

subsp. laxum T.K. Lowrey in *Allertonia*, 4(4): 259 (1986)—Hawaiian Is.

consanguineum

var. kauense T.K. Lowrey in *Allertonia*, 4(4): 262 (1986)—Hawaiian Is.

subsp. leptophyllum (Sherff) T.K. Lowrey in *Allertonia*, 4(4): 260 (1986): T. consanguineum var. leptophyllum.

filiforme

var. polyphyllum (Sherff) T.K. Lowrey in *Allertonia*, 4(4): 247 (1986): T. polyphyllum.

humile

subsp. haleakalae T.K. Lowrey in *Allertonia*, 4(4): 243 (1986)—Hawaiian Is.

lepidotum

subsp. arbusculum (A. Gray) T.K. Lowrey in *Allertonia*, 4(4): 256 (1986): Vittadinia chamissonis var. arbuscula.

rockii

var. calcisabulorum (St. John) T.K. Lowrey in *Allertonia*, 4(4): 250 (1986): Luteidiscus calcisabulorum.

sylvae T.K. Lowrey in *Allertonia*, 4(4): 252 (1986)—Hawaiian Is., Cook Is.

**TETRAPLANDRA** (Euphorbiac.).

amazonica M. Emmerich in *Arq. Mus. Nac. (Rio de Janeiro)*, 56: 95 (1981)—Brazil.

bahiensis M. Emmerich in *Arq. Mus. Nac. (Rio de Janeiro)*, 56: 95 (1981)—Brazil.

dimitrii M. Emmerich in *Arq. Mus. Nac. (Rio de Janeiro)*, 56: 96 (1981)—Brazil.

kuhlmannii M. Emmerich in *Arq. Mus. Nac. (Rio de Janeiro)*, 56: 96 (1981)—Brazil.

**TETRAPOGON** (Gramin.).

ferrugineus (Renvoize) S.M. Phillips in *Kew Bull.*, 42(2): 478 (1987): Chloris ferruginea.

**TETRAPOLLINIA** B. Maguire & B.M. Boom in

*Mem. New York Bot. Gard.*, 51: 31 (1989). *GENTIANACEAE*.

caerulescens (Aublet) B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 31 (1989): Lisianthus caerulescens.

**TETRAPTERYS** (Malpighiac.).

cordifolia W.R. Anderson in *Contrib. Univ. Mich. Herb.*, 16: 107 (1987)—Brazil.

**TETRARRHENA** (Gramin.).

turfosa N.G. Walsh in *Muelleria*, 7(1): 95 (1989)—Australia (Victoria, New South Wales).

**TETRASTIGMA** (Vitac.).

crenatum B.R. Jackes in *Austrobaileya*, 3(1): 150 (1989)—Australia (Queensland).

**TETRASTIGMA** :-

gamblei B.V. Shetty & P. Singh in *Kew Bull.*, 42(4): 933 (1987)—India.

nilagiricum (Miq.) B.V. Shetty in *Kew Bull.*, 44(3): 477 (1989): Cissus nilagirica.

obtectum

subsp. dichotomum W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 22 (1986)—China.

petraeum B.R. Jackes in *Austrobaileya*, 3(1): 153 (1989)—Australia (Queensland).

pyncanthum (Collett & Hemsley) P. Singh & B.V. Shetty in *Taxon*, 35(3): 597 (1986): Vitis pyncantha.

thorsborneorum B.R. Jackes in *Austrobaileya*, 3(1): 155 (1989)—Australia (Queensland).

yunnanense

var. glabrum W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 23 (1986)—China.

**TETRATAENIUM** (Umbellif.).

bivittatum (Boissieu) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 45 (1986): Heracleum bivittatum.

burmanicum (Kurz) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 46 (1986): Heracleum burmanicum.

candicans (Wall. ex DC.) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 44 (1986): Heracleum candicans.

cardiocarpum (Rech. f. & H. Riedl) I. Mandenova in *Fl. Iran.*, 162: 505 (1987): Heracleum cardiocarpum.

ceylanicum (Gardn. ex C.B. Clarke) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 46 (1986): Heracleum ceylanicum.

lasiopetalum (Boiss.) I. Mandenova in *Fl. Iran.*, 162: 504 (1987): Heracleum lasiopetalum.

leucocarpum (Aitch. & Hemsl.) I. Mandenova in *Fl. Iran.*, 162: 506 (1987): Heracleum leucocarpum.

nephrophyllum (Leute) I. Mandenova in *Fl. Iran.*, 162: 505 (1987): Heracleum nephrophyllum.

sublineare (C.B. Clarke) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 47 (1986): Heracleum sublineare.

wallichii (DC.) I.P. Mandenova in *Zam. Sist. Geogr. Rast.*, 41: 47 (1986): Heracleum wallichii.

**TETROCHIDIUM** (Euphorbiac.).

costaricense M.J. Huft in *Ann. Missouri Bot. Gard.*, 75(3): 1112 (1988)—Costa Rica, Panama.

microphyllum M.J. Huft in *Ann. Missouri Bot. Gard.*, 75(3): 1110 (1988)—Panama.

**TEUCRIUM** (Labiata.).

subsect. Botrys A. Kästner in *Biocosme Mésogéen*, 6(1–2): 76 (1989).

subsect. Canadensis A. Kästner in *Biocosme Mésogéen*, 6(1–2): 75 (1989).

subsect. Chamaedrys A. Kästner in *Biocosme Mésogéen*, 6(1–2): 71 (1989).

subsect. Cretica A. Kästner in *Biocosme Mésogéen*, 6(1–2): 71 (1989).

subsect. Fruticantia A. Kästner in *Biocosme Mésogéen*, 6(1–2): 70 (1989).

subsect. Isotriodon A. Kästner in *Biocosme Mésogéen*, 6(1–2): 73 (1989).

subsect. Marum A. Kästner in *Biocosme Mésogéen*, 6(1–2): 73 (1989).

subsect. Polium (Miller) A. Kästner in *Biocosme Mésogéen*, 6(1–2): 72 (1989): gen. Polium.

ser. Pumilum (Rivas Martínez) T. Navarro & J.L. Rosúa in *Candollea*, 43(1): 174 (1988): T. subsect. Pumilum.

subsect. Pyncnotrys (Benth.) A. Kästner in *Biocosme Mésogéen*, 6(1–2): 74 (1989): T. sect. Pyncnotrys.

ser. Rotundifolia (Cohen) T. Navarro & J.L. Rosúa in *Candollea*, 43(1): 174 (1988): T. subsect. Rotundifolia.

subsect. Scordium A. Kästner in *Biocosme Mésogéen*, 6(1–2): 75 (1989).

subsect. Scorodonia A. Kästner in *Biocosme Mésogéen*, 6(1–2): 74 (1989).

ser. Simplicipilosa T. Navarro & J.L. Rosúa in *Candollea*, 43(1): 174 (1988), without latin descr. or type.

subsect. Spinularia (Boiss.) A. Kästner in *Biocosme Mésogéen*, 6(1–2): 75 (1989): T. sect. Spinularia.

**TEUCRIUM** :—

- subsect. *Stachyobotrys* (Benth.) A. Kästner in *Biocosme Mésogéen*, 6(1–2): 75 (1989): T. sect. *Stachyobotrys*.
- afrum**
- subsp. *rhaphaeum* (Pau & Font Quer) S. Castroviejo & E. Bayón in *An. Jard. Bot. Madrid*, 47(2): 513 (1989 publ. 1990): T. oxylepis var. *rhaphaeum*.
- subsp. *rubriflorum* (Pau & Font Quer) S. Castroviejo & E. Bayón in *An. Jard. Bot. Madrid*, 47(2): 513 (1989 publ. 1990): T. afrum var. *rubriflorum*.
- angustifolium** (Willk.) J.B. Peris, R. Figuerola & G. Stübing in *An. Jard. Bot. Madrid*, 45(2): 561 (1988 publ. 1989): T. aureum var. *angustifolium*.
- balearicum** (Pau) S. Castroviejo & E. Bayón in *An. Jard. Bot. Madrid*, 47(2): 508 (1989 publ. 1990): T. subspinum var. *balearicum*.
- botrys**
- f. *albiflora* O. Socorro & P. Aroza in *Stud. Bot. (Salamanca)*, 6: 127 (1987)—Spain.
- capitatum**
- subsp. *lusitanicum* (Schreber) T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 585 (1990): T. *lusitanicum*.
- subsp. *majoricum* (Rouy) T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 586 (1990): T. *majoricum*.
- cylindraceum** W. Greuter & Burdet in *Willdenowia*, 15(2): 423 (1986), nom. nov.: T. *polium* var. *cylindricum* Maire ex Batt.
- eriocephalum**
- subsp. *almeriense* (Hubb. & Sand.) T. Navarro & J.L. Rosúa in *Candollea*, 43(1): 181 (1988): T. *almeriense*.
- subsp. *serranum* (Pau) T. Navarro & J.L. Rosúa in *Candollea*, 43(1): 180 (1988): T. *serranum*.
- × *estevei* F. Alcaraz, P. Sánchez-Gómez & J.S. Carrión in *Lazaroa*, 9: 26 (1986 publ. 1988)—Spain. (T. *capitatum* subsp. *gracillimum* × *libanitidis*).
- glomeratum** A.J. Cavanilles in *Anales Ci. Nat.*, 3(7): 62 (1801)—Canary Is.
- hijazicum** I.C. Hedge & R.A. King in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 30 (1988)—Saudi Arabia.
- homotrichum** (Font Quer) S. Rivas-Martínez in *Opusc. Bot. Pharm. Complutensis*, 3: 88 (1986): T. *carthaginense* var. *homotrichum*.
- luteum**
- subsp. *aureiforme* (Rouy) S. Rivas-Martínez in *Opusc. Bot. Pharm. Complutensis*, 3: 88 (1986): T. *polium* var. *aureiforme*.
- subsp. *contortostylum* (Sennen) T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 583 (1990): T. *polium* var. *contortostylum*.
- subsp. *gabesianum* (Puech) Greuter & Burdet ex W. Greuter in *Willdenowia*, 15(2): 423 (1986): T. *aureum* subsp. *gabesianum*.
- subsp. *lusitanicum* (Schreber) S. Rivas-Martínez in *Opusc. Bot. Pharm. Complutensis*, 3: 88 (1986): T. *polium* subsp. *lusitanicum*.
- murcicum**
- subsp. *hieronymi* (Sennen) T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 586 (1990): T. *hieronymi*.
- nablii** S. Puech in *Bull. Soc. Bot. France, Lett. Bot.*, 137(1): 67 (1990), contrary to Art. 37.3 ICBN (1988)—Tunisia.
- polium**
- subsp. *rupestricola* (Sennen) T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 582 (1990): T. *polium* var. *rupestricola*.
- popovii** R.A. King in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 28 (1988)—Saudi Arabia.
- rotundifolium**
- subsp. *transatlanticum* Emberger ex W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: xxix (1986): Morocco.
- × *scorolepis* S. Pajarón & A. Molina in *Fontqueria*, 27: 163 (1989)—Spain. (T. *oxylepis* × *scorodonia*).
- similatum** T. Navarro & J.L. Rosúa in *Candollea*, 45(2): 583 (1990)—Spain.
- sinaicum**
- var. *kaiseri* (Täckh. & Boulos) D. Heller in D. Heller & C.C. Heyn, *Conspect. Fl. Oriental.*, 3: 102 (1986), without basionym ref.: Basionym not stated.

**TEUCRIUM** :—

- var. *purpurascens* (Täckh. & Boulos) D. Heller in D. Heller & C.C. Heyn, *Conspect. Fl. Oriental.*, 3: 102 (1986), without basionym ref.: Basionym not stated.
- stocksianum**
- subsp. *stenophyllum* R.A. King in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 32 (1988)—Oman.
- taylorii**
- subsp. *muticum* Yu.L. Menitskii in *Fl. Armenii*, 8: 18 (1987)—U.S.S.R. (Caucasus).
- townsendii**
- subsp. *affine* (T.S. Brandege) R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist.* 16): 44 (1989): T. *affine*.
- turdetanum** (Devesa & Valdés-Bermejo) J.B. Peris, R. Figuerola & G. Stübing in *An. Jard. Bot. Madrid*, 45(2): 561 (1988 publ. 1989): T. *aureum* subsp. *turdetanum*.

**TEUSCHERIA** (Orchidac.).

- horichiana* R. Jenny & G.J. Braem in *Orchid Dig.*, 51(4): 187 (1987)—Costa Rica.

**THALICTRUM** (Ranunculac.).

- bykovii** Yu.A. Kotukhov in *Bot. Zhurn.*, 75(3): 416 (1990)—U.S.S.R. (Siberia).
- flavum**
- subsp. *simplex* (L.) O. de Bolós & J. Vigo, *Fl. Países Catalans*: 243 (1984): T. *simplex*.
- glaucum** Schrad., *Hort. Gott.*: 14, t. 8 (1809); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984)—Locality not stated.
- minus**
- var. *arenicola* V. Osvačilová in *Biología, A (Czechoslovakia)*, 38(5): 456 (1983)—Czechoslovakia.
- subsp. *carpaticum* (Kotula) V. Osvačilová in *Fl. Slovenska*, 3: 237 (1982): T. *minus* var. *carpaticum*.
- subsp. *elatum* (Jacq.) M. Kerguelen in *Lejeunia*, 120: 175 (1987): T. *elatum*.
- f. *jacquinianum* (Koch) V. Osvačilová in *Fl. Slovenska*, 3: 231 (1982): T. *jacquinianum*.
- f. *macrophyllum* (Schur) V. Osvačilová in *Fl. Slovenska*, 3: 230 (1982): T. *minus* b. *macrophyllum*.
- subsp. *olympicum* (Boiss. & Heldr.) A. Strid in A. Strid (ed.), *Mount. Fl. Greece*, 1: 229 (1986): T. *olympicum*.
- var. *petrosium* (Schur) V. Osvačilová in *Fl. Slovenska*, 3: 230 (1982): T. *petrosium*.
- subsp. *saxicola* V. Osvačilová in *Biología, A (Czechoslovakia)*, 38(5): 456 (1983)—Czechoslovakia.
- saissanicum** Yu.A. Kotukhov in *Bot. Zhurn.*, 75(3): 418 (1990)—U.S.S.R. (Siberia).
- simplex**
- subsp. *rhodopaeum* (Rech. f.) Panov ex S. Kožuharov & A. Petrova in *Ann. Bot. Fenn.*, 25(4): 390 (1988): T. *rhodopaeum*.
- ujiinsulare** S. Hatusima in *J. Phytogeogr. Taxon.*, 35(1): 1 (1987)—Japan.
- ussuriense** A.N. Luferov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 94(5): 103 (1989)—U.S.S.R. (Soviet Far East), China, Korea.

**THAMNOCALAMUS** (Gramin.).

- collaris* T.P. Yi in *Fl. Xizangica*, 5: 41 (1987)—Xizang.

**THAMNOCHORTUS** (Restionac.).

- amoena** H.P. Linder in *S. Afr. J. Bot.*, 56(4): 451 (1990)—South Africa (Cape Province).
- arenarius** E.E. Esterhuysen in *Bothalia*, 15(3–4): 472 (1985)—South Africa (Cape Province).
- cinereus** H.P. Linder in *Bothalia*, 15(3–4): 473 (1985)—South Africa (Cape Province).
- karooica** H.P. Linder in *S. Afr. J. Bot.*, 56(4): 450 (1990)—South Africa (Cape Province).
- lucens** (Poir.) H.P. Linder in *Bothalia*, 15(3–4): 475 (1985): *Restio lucens*.
- rigidus** E.E. Esterhuysen in *Bothalia*, 15(3–4): 477 (1985)—South Africa (Cape Province).

**THAUMASTOCHLOA** (Gramin.).

- heteromorpha** B.K. Simon in *Austrobaileya*, 3(1): 90 (1989)—Australia (Queensland).

**THECANTHES** (Thymelaeac.).

- concreta** (F. Muell.) B.L. Rye in *Nuytsia*, 6(2): 262 (1988): *Pimelea concreta*.
- filifolia** B.L. Rye in *Fl. Australia*, 18: 325, 213 (1990)—Australia (N. Terr.).
- sanguinea** (F. Muell.) B.L. Rye in *Nuytsia*, 6(2): 267 (1988): *Pimelea sanguinea*.

**THELESPERMA** (Compos.).

- graminiformis** (Sherff) T.E. Melchert in *Phytologia*, 69(3): 219 (1990): *Bidens muelleri* var. *graminiformis*.
- megapotamicum**
- var. *ramosius* (S.F. Blake) T.E. Melchert in *Phytologia*, 69(3): 221 (1990): T. *ramosius*.
- muelleri** (Sherff) T.E. Melchert in *Phytologia*, 69(3): 221 (1990): *Bidens muelleri*.
- pubescens** R.D. Dorn in *Great Basin Nat.*, 43(4): 749 (1983)—U.S.A. (Wyoming).
- simplicifolium**
- var. *macrocarpum* T.E. Melchert in *Phytologia*, 69(3): 222 (1990)—Mexico.
- subnudum**
- var. *alpinum* S.L. Welsh in *Great Basin Nat.*, 43(2): 369 (1983)—U.S.A. (Utah).

**THELOCACTUS** (Cactac.).

- bicolor**
- var. *commodus* R. Haas in *Kakt. And. Sukk.*, 39(4): 87 (1988)—Mexico.
- var. *schwarzii* (Backeb.) E.F. Anderson in *Bradleya*, 5: 61 (1987): T. *schwarzii*.
- durangensis** (Ruenge) G.D. Rowley in *Excelsa*, 12: 31 (1986): *Echinocactus durangensis*.
- lausseri** J. Riha & J. Busek in *Kakt. And. Sukk.*, 37(8): 164 (1986)—Mexico.
- setispinus** (Engelm.) E.F. Anderson in *Bradleya*, 5: 59 (1987): *Echinocactus setispinus*.
- tulensis**
- var. *buekii* (Klein) E.F. Anderson in *Bradleya*, 5: 65 (1987): *Echinocactus buekii*.
- var. *matudae* (Sanchez-Mej. & A. Lau) E.F. Anderson in *Bradleya*, 5: 66 (1987): T. *matudae*.
- unguispinus** (Eng.) G.D. Rowley in *Excelsa*, 12: 30 (1986): *Echinocactus unguispinus*.

**THELYMITRA** (Orchidac.).

- apiculata** (A.S. George) M.A. Clements & D. Jones in *Austral. Orchid Res.*, 1: 137 (1989): T. *variegata* var. *apiculata*.
- fragrans** D.L. Jones & M.A. Clements in *Austrobaileya*, 2(5): 550 (1988)—Australia (Queensland, New South Wales).
- malvina** M.A. Clements, D. Jones & Molloy in *Austral. Orchid Res.*, 1: 141 (1989)—Australia (Victoria, New South Wales, Queensland), New Zealand, ?Tasmania.
- tholiformis** B.P.J. Molloy & E.D. Hatch in *New Zealand J. Bot.*, 28(2): 111 (1990)—New Zealand.

**THELYPODIOPSIS** (Crucif.).

- sagittata**
- var. *ovalifolia* (Rydb.) S.L. Welsh in *Great Basin Nat.*, 46(2): 256 (1986): *Thelypodium ovalifolium*.

**THEMEDA** (Gramin.).

- sect. *Primothemedae* S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 55 (1989).
- chinensis** (A. Camus) S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 59 (1989): T. *ciliata* subsp. *chinensis*.
- minor** L. Liou in *Fl. Xizangica*, 5: 343 (1987)—Xizang.
- triandra**
- subsp. *japonica* (Willdenow) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 532 (1987): *Anthistria japonica*.
- trichiata** S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 58 (1989)—China.
- unica** S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 56 (1989)—China.
- yuanmounensis** S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 60 (1989)—China.
- yunnanensis** S.L. Chen & T.D. Zhuang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 58 (1989)—China.

**THEMISTOCLESIA** (Ericac.).

*pariensis* J.L. Luteyn in *Bull. Torrey Bot. Club*, 112(4): 449 (1985)—Venezuela.

**THERMOPSIS** (Legumin.).

*barbata*

*f. chrysanthia* P.C. Li in *Fl. Xizangica*, 2: 725 (1985)—Xizang.

*kaxgarica* C.Y. Yang in *Claves Pl. Xinjiang*, 3: 16 (1983), without latin descr. or type; *et in Acta Bot. Bor.-Occid. Sin.*, 8(1): 55 (1988)—Xinjiang.

*lanceolata*

*var. turkestanica* (Gand.) C.Y. Yang in *Claves Pl. Xinjiang*, 3: 15 (1983); *T. turkestanica*.

*macrophylla*

*subsp. semota* (Jepson) R.M. Beauchamp in *Phytologia*, 59(7): 439 (1986); *T. macrophylla* *var. semota*.

*mollis* M.A. Curtis ex A. Gray, *Thermopsis mollis*: (Feb. 1846) *et in Mem. Acad. Arts & Sci. n.s.*, 3: 47, t. 9 (after May 1846); *cf. D.J. Mabberley in Taxon*, 30(1): 17 (1981)—Locality not stated.

*saurensis* C.Y. Yang in *Claves Pl. Xinjiang*, 3: 17 (1983), without latin descr. or type; *et in Acta Bot. Bor.-Occid. Sin.*, 8(1): 56 (1988)—Xinjiang.

**THEROCISTUS** J. Holub in *Preslia*, 58(4): 300 (1986). **CISTACEAE**.

*acuminatus* (Viv.) J. Holub in *Preslia*, 58(4): 303 (1986); *Cistus acuminatus*.

*brevipes* (Boiss. & Reut.) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum brevipes*.

*bupleurifolius* (Lam.) J. Holub in *Preslia*, 58(4): 303 (1986); *Cistus bupleurifolius*.

*echioides* (Lam.) J. Holub in *Preslia*, 58(4): 303 (1986); *Cistus echioides*.

*glomeratus* (Willk.) J. Holub in *Preslia*, 58(4): 303 (1986); *Tuberaria glomerata*.

*guttatus* (L.) J. Holub in *Preslia*, 58(4): 303 (1986); *Cistus guttatus*.

*subsp. littoralis* (Rouy & Fouc.) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum guttatum* f. *littorale*.

*inconspicuus* (Thibaud ex Pers.) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum inconspicuus*.

*lipopetalus* (Murb.) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum guttatum* *subsp. lipopetalum*.

*macrosepalus* (Cosson) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum guttatum* *var. macrosepalum*.

*praecox* (W. Grosser) J. Holub in *Preslia*, 58(4): 303 (1986); *Tuberaria praecox*.

*villosissimus* (Pomel) J. Holub in *Preslia*, 58(4): 303 (1986); *Helianthemum villosissimum*.

**THESIU** (Santalac.).

*dokerlaense* C.Y. Wu ex D.D. Tao in *Fl. Yunnanica*, 4: 780, 299 (1986)—China.

*linophyllon*

*var. pilosiusculum* A. Lawalrée in *Bull. Jard. Bot. Nation. Belg.*, 59(3-4): 467 (1989)—France.

*remotebracteatum* C.Y. Wu & D.D. Tao in *Acta Phytotax. Sin.*, 26(4): 320 (1988)—China.

**THIBAUDIA** (Ericac.).

*falconensis* J.L. Luteyn & M.L. Lebron-Luteyn in *Acta Bot. Venezuel.*, 14(1): 167 (1983)—Venezuela.

*foreroi* J.L. Luteyn in *Op. Bot.*, 92: 127 (1987)—Colombia.

*harlingii* J.L. Luteyn in *Op. Bot.*, 92: 127 (1987)—Ecuador.

*setigera* (D. Don ex G. Don f.) Endl., *Cat. Horti Vindob.*, 2: 135 (1842); *cf. D.J. Mabberley in Taxon*, 33(3): 436 (1984); *Agapetes setigera*.

**THINOPYRUM** (Gramin.).

*sect. Lophopyrum* (Löve) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 274 (1984), without basionym ref.: *Lophopyrum* *sect. Lophopyrum*.

*sect. Trichophorae* (Nevski) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 275 (1984); *Agropyron* ser. *Trichophorae*.

*curvifolium* (Lange) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 274 (1984); *Agropyrum curvifolium*.

**THINOPYRUM**—

*elongatum* (Host) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 274 (1984); *Triticum elongatum*.

*flaccidifolium* (Boiss. & Heldr.) M. Moustakas in *Pl. Syst. Evol.*, 161(3-4): 150 (1988 publ. 1989); *Agropyron scirpeum* *var. flaccidifolium*.

*gentryi* (Meldenis) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 275 (1984); *Agropyron gentryi*.

*podperac* (Nabelek) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 275 (1984); *Agropyron podperac*.

*ponicum* (Podp.) M.E. Barkworth & D.R. Dewey in *Great Basin Nat.*, 43(4): 570 (1983), without basionym ref.: *Basionym* not stated.

*scirpeum* (K. Presl) D.R. Dewey in *Gene Manipulat. in Pl. Improv.* (ed. J.P. Gustafson): 275 (1984); *Agropyron scirpeum*.

**THIOLLIERIA** (Rubiac.).

*campanulata* (Brongn.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 5: 77 (1989); *Grisia campanulata*.

*fritillarioides* (Schltr.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 103 (1988 publ. Jan. 1989), without basionym ref.; *et Syst. Fl. Neu-Caledonien*, 5: 98 (May 1989), with basionym ref.:

*Bikkia fritillarioides*.

*macrophylla* (Brongn.) M.G. Baumann-Bodenheim, *Syst. Fl. Neu-Caledonien*, 4: 102 (1988 publ. Jan. 1989), without basionym ref.; *et Syst. Fl. Neu-Caledonien*, 5: 98 (May 1989), with basionym ref.:

*Grisia macrophylla*.

**THISMIA** (Burmanniace.).

*sect. Myostoma* (Miers) P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 158 (1986); *gen. Myostoma*.

*subgen. Ophiomeris* (Miers) P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 144 (1986); *gen. Ophiomeris*.

*sect. Ophiomeris* (Miers) P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotropica*, 42: 145 (1986); *gen. Ophiomeris*.

*sect. Pyramidalis* P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 161 (1986).

*caudata* P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 162 (1986), *nom. nov.*: *Glaziogaris macahensis* Taubert ex Warming.

*fungiformis* (Taubert ex Warming) P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 165 (1986); *Triscyphus fungiformis*.

*melanomitra* P.J.M. Maas & H. Maas in *Op. Bot.*, 92: 141 (1987)—Ecuador.

*saulensis* H. Maas & P.J.M. Maas in *Brittonia*, 39(3): 376 (1987)—French Guiana.

*singeri* (de la Sota) P.J.M. Maas & H. Maas-van de Kamer in *Fl. Neotrop.*, 42: 166 (1986); *Mamorea singeri*.

**THLADIANTHA** (Cucurbitac.).

*nudiflora*

*var. macrocarpa* Z. Zhang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 45 (1989)—China.

*var. membranacea* Z. Zhang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 45 (1989)—China.

*pustulata* (Lévl.) C. Jeffrey ex A.M. Lu & Z.Y. Zhang in *Fl. Reipubl. Popul. Sin.*, 73(1): 141 (1986); *Melothria pustulata*.

**THLASPI** (Crucif.).

*aghricum* P.H. Davis & Kit Tan in *Fl. Turkey & E. Aegean Is.*, 10: 234, 40 (1988)—Turkey.

*alpestre*

*subsp. sylvium* (Gaudin) M. Kerguelen in *Lejeunia*, 120: 175 (1987); *T. sylvium*.

*cariense* A. Carlström in *Willdenowia*, 16(1): 73 (1986)—Turkey.

*crassum* P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 235, 41 (1988)—Turkey.

*watsonii* P.H. Davis in *Fl. Turkey & E. Aegean Is.*, 10: 235, 41 (1988)—Turkey.

*zaffranii* (F.K. Meyer) W. Greuter & Burdet in *Willdenowia*, 15(2): 420 (1986); *Nocca zaffranii*.

**THORNCROFTIA** (Labiata.).

*media* L.E. Codd in *Bothalia*, 16(1): 52 (1986)—South Africa (Transvaal).

**THOTTEA** (Aristolochiac.).

*duchartrei* V.V. Sivarajan, A. Babu & Indu Balachandran in *Indian J. Forest.*, 8(4): 267 (1985 publ. 1986)—India.

**THRASYA** (Gramin.).

*crucensis* T.J. Killeen in *Ann. Missouri Bot. Gard.*, 77(1): 190 (1990)—Bolivia.

*longiligulata* M.N.C. Bastos & A.G. Burman in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(2): 236 (1988)—Brazil.

*mosquitiensis* G. Davidse & A.G. Burman in *Ann. Missouri Bot. Gard.*, 74(2): 434 (1987)—Nicaragua, Honduras.

*stricta* A.G. Burman in *Acta Bot. Venezuel.*, 14(4): 75 (1987)—Venezuela.

**THRINAX** (Palmae).

*sect. Macrocarpae* (León ex Muñoz) A. Borhidi & O. Muñoz in *Acta Bot. Hung.*, 31(1-4): 226 (1985); *gen. Macrocarpae*.

*compacta* (Griseb. & Wendl. ex Griseb.) A. Borhidi & O. Muñoz in *Acta Bot. Hung.*, 31(1-4): 226 (1985); *Trithrinax compacta*.

*ekmaniana* (Burret) A. Borhidi & O. Muñoz in *Acta Bot. Hung.*, 31(1-4): 227 (1985); *Hemithrinax ekmaniana*.

*rivularis* (León) A. Borhidi & O. Muñoz in *Acta Bot. Hung.*, 31(1-4): 226 (1985); *Hemithrinax rivularis*.

*var. savannarum* (León) A. Borhidi & O. Muñoz in *Acta Bot. Hung.*, 31(1-4): 226 (1985); *Hemithrinax savannarum*.

**THRIXSPERMUM** (Orchidac.).

*barbellatum* (Schltr.) M.A. Clements, B. Wallace & D. Jones in *Austral. Orchid Res.*, 1: 144 (1989); *Dryadorchis barbellata*.

*insularum* (Aver.) L.V. Aver'yanov in *Bot. Zhurn.*, 75(5): 723 (1990); *Pteroceras insularum*.

**THRYPTOMENE** (Myrtac.).

*biseriata* J.W. Green in *Fl. S. Australia*, 2: 948 (1986)—Australia (W. Australia, S. Australia).

*cuspidata* (Turcz.) J.W. Green, *Census Vasc. Pl. W. Australia*, ed. 2: 6 (1985); *Paryphantha cuspidata*.

*decussata* (W. Fitzg.) J.W. Green, *Census Vasc. Pl. W. Australia*, ed. 2: 6 (1985); *Scholtzia decussata*.

*longifolia* J.W. Green in *Fl. S. Australia*, 2: 950 (1986)—Australia (S. Australia).

**THUNBERGIA** (Acanthac.).

*bicolor* (Wight) K.S. Manilal & C.R. Suresh in *J. Econ. Taxon. Bot.*, 5(2): 422 (1984); *Schmidia bicolor*.

**THYMBRA** (Labiata.).

*spicata*

*subsp. intricata* (P.H. Davis) R. Morales Valverde in *An. Jard. Bot. Madrid*, 44(2): 377 (1987); *T. spicata* *var. intricata*.

**THYMELAEA** (Thymelaeac.).

*coridifolia*

*subsp. dendrobryum* (Rothm.) M. Láziz, *Mis contrib. conoim. fl. Asturias*: 47 (1982); *T. dendrobryum*.

*dioica*

*subsp. glauca* S. Talavera & J. Muñoz in *Lagascalia*, 14(1): 149 (1986)—Spain.

*tartonnaira*

*subsp. austroiberica* J. Lambinon in *Soc. Ech. Pl. Vasc. Eur. Bassin Médit. Bull.*, 21: 21 (1986), *nom. nov.*: *Passerina tartonnaira* *var. angustifolia* Boiss.

**THYMOPHYLLA** (Compos.).

*acerosa* (DC.) J.L. Strother in *Sida*, 11(4): 376 (1986); *Dyssodia acerosa*.

*aurea*

*var. polychaeta* (A. Gray) J.L. Strother in *Sida*, 11(4): 376 (1986); *Hymenatherum polychaetum*.

*concinna* (A. Gray) J.L. Strother in *Sida*, 11(4): 376 (1986); *Hymenatherum concinnum*.

**THYMOPHYLLA** :-

- gentryi (*M. Johnston*) *J.L. Strother in Sida*, 11(4): 376 (1986): *Dyssodia gentryi*.  
 gypsophila (*B. Turner*) *J.L. Strother in Sida*, 11(4): 377 (1986): *Dyssodia gypsophila*.  
 micropoides (*DC.*) *J.L. Strother in Sida*, 11(4): 377 (1986): *Gnaphalopsis micropoides*.  
 mutica (*M. Johnston*) *J.L. Strother in Sida*, 11(4): 377 (1986): *Dyssodia mutica*.  
 pentachaeta  
   *var. belenidium* (*DC.*) *J.L. Strother in Sida*, 11(4): 377 (1986): *Hymenatherum belenidium*.  
   *var. hartwegii* (*A. Gray*) *J.L. Strother in Sida*, 11(4): 377 (1986): *Hymenatherum hartwegii*.  
   *var. puberula* (*Rydb.*) *J.L. Strother in Sida*, 11(4): 377 (1986): *T. puberula*.  
 setifolia  
   *var. radiata* (*A. Gray*) *J.L. Strother in Sida*, 11(4): 378 (1986): *T. greggii* *var. radiata*.  
 tenuiloba  
   *var. texana* (*Cory*) *J.L. Strother in Sida*, 11(4): 378 (1986): *Dyssodia texana*.  
   *var. treculii* (*A. Gray*) *J.L. Strother in Sida*, 11(4): 378 (1986): *Hymenatherum treculii*.  
   *var. wrightii* (*A. Gray*) *J.L. Strother in Sida*, 11(4): 378 (1986): *Hymenatherum wrightii*.  
 tephroleuca (*S.F. Blake*) *J.L. Strother in Sida*, 11(4): 378 (1986): *Dyssodia tephroleuca*.

**THYMUS** (*Labiata*).

- subsect. Anomali* (*Rouy*) *R. Morales Valverde in Ruizia*, 3: 146 (1986): *T. sect. Anomali*.  
*subsect. Pseudothymbra* (*Bentham*) *R. Morales Valverde in Ruizia*, 3: 146 (1986): *T. sect. Pseudothymbra*.  
*subsect. Thymastra* (*Nyman ex Velen.*) *R. Morales Valverde in Ruizia*, 3: 146 (1986): *T. sect. Thymastra*.  
*subsect. Thymbropsis* *Jalas ex R. Morales Valverde in An. Jard. Bot. Madrid*, 45(2): 562 (1988 publ. 1989).  
*borgiae* *S. Rivas-Martínez, A. Molina & G. Navarro in Opusc. Bot. Pharm. Complutensis*, 4: 118 (1988)—Spain.  
 ×*brachychaetus*  
   *nothosubsp. toletanus* (*Pau*) *R. Morales Valverde in An. Jard. Bot. Madrid*, 43(1): 39 (1986): *T. × mixtus var. toletanus*.  
 ×*bractichina* *R. Morales Valverde in An. Jard. Bot. Madrid*, 43(1): 39 (1986), *nom. nov.*: *T. × pectinatus* *R. Morales*.  
*didukhii* *V.M. Ostapko in Ukr. Bot. Zhurn.*, 47(2): 92 (1990)—U.S.S.R. (Ukraine).  
 funkii  
   *var. sabulicola* (*Cosson*) *R. Morales Valverde in An. Jard. Bot. Madrid*, 43(1): 36 (1986): *T. sabulicola*.  
 ×*genesianus* *P. Galán Cela in An. Jard. Bot. Madrid*, 45(2): 562 (1988 publ. 1989), *contrary to Art. H.5.1 ICBN* (1988)—Spain. (*T. mastichina subsp. mastichina × praecox subsp. britannicus*).  
 glabrescens  
   *var. pilosus* (*Opiz*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 405 (1990): *T. pilosus*.  
*gobi-altaicus* (*Ulzj.*) *R.V. Kamelin & A.L. Budantsev in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(3): 97 (1990): *A. gobicus subsp. gobi-altaicus*.  
*godayanus* *S. Rivas-Martínez, A. Molina & G. Navarro in Opusc. Bot. Pharm. Complutensis*, 4: 116 (1988)—Spain.  
 hyemalis  
   *subsp. millefloris* (*Rivera, Flores & Laencina*) *R. Morales Valverde in Biocosme Mésogéen*, 6(4): 208 (1989): *T. millefloris*.  
 ×*hyeronymi*  
   *nothosubsp. hurtadoi* (*O. Socorro et al.*) *R. Morales Valverde in An. Jard. Bot. Madrid*, 43(1): 39 (1986): *T. × hurtadoi*.  
 ×*invisus* *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 409 (1990), *contrary to Art. H.5.2 ICBN* (1988)—Czechoslovakia. (*T. pannonicus × pulcherrimus subsp. sudeticus*).  
*izcoi* *S. Rivas-Martínez, A. Molina & G. Navarro in Opusc. Bot. Pharm. Complutensis*, 4: 114 (1988)—Spain.  
 ×*josephi-angeli* *J. Mansanet & A. Aguilera in Mediterranea*, 8: 84 (1985)—Spain. (*T. piperella × vulgaris*).

**THYMUS** :-

- kondratjukii* *V.M. Ostapko in Ukr. Bot. Zhurn.*, 44(2): 47 (1987)—U.S.S.R. (Ukraine).  
 kotschyanus  
   *subsp. migricus* (*Klok. & Shost.*) *Yu.L. Menitskii in Fl. Armenii*, 8: 152 (1987): *T. migricus*.  
   *subsp. pseudocollinus* *Yu.L. Menitskii in Fl. Armenii*, 8: 154 (1987)—U.S.S.R. (Caucasus).  
 leptophyllus  
   *subsp. izcoi* (*Rivas Martínez, Molina & Navarro*) *R. Morales Valverde in Biocosme Mésogéen*, 6(4): 209 (1989): *T. izcoi*.  
*leucospermus* *P. Hartvig in Pl. Syst. Evol.*, 155(1-4): 206 (1987)—Greece.  
 linearis  
   *var. album* (*Ghose & Bhattacharyya*) *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 346 (1990): *T. serpyllum var. album*.  
 longicaulis  
   *var. malyi* (*Ronniger*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 406 (1990): *T. malyi*.  
   *subsp. moesiacus* (*Velen.*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 406 (1990): *T. moesiacus*.  
   *var. moesiacus* (*Velen.*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 406 (1990): *T. moesiacus*.  
 membranaceus  
   *subf. purpureus* *F. Alcáraz in Lazaroa*, 8: 416 (1985 publ. 1986), *as 'purpurea'*—Spain.  
*michaelis* *R.V. Kamelin & A.L. Budantsev in Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 95(3): 96 (1990), *nom. nov.*: *T. mongolicus* *Klok*.  
*millefloris* *D. Rivera Núñez, J. Flores & J. Laencina in An. Jard. Bot. Madrid*, 44(1): 47 (1987)—Spain.  
 moesiacus  
   *var. malyi* (*Ronn.*) *M. Markova in Fl. Nar. Republ. Bulgariya*, 9: 322 (1989): *T. malyi*.  
 neurophyllus (*Rech. f.*) *K.H. Rechinger in Ann. Bot. Fenn.*, 26(2): 169 (3 July 1989), *isonym*: *Thymra neurophylla*.  
*neurophyllus* (*Rech. f.*) *R. Morales Valverde in An. Jard. Bot. Madrid*, 45(2): 562 (1988 publ. March 1989): *Thymra neurophylla*.  
 oenipontanus  
   *var. xerophilus* (*Lyka*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 406 (1990): *T. serpyllum f. xerophilus*.  
 pallasianus  
   *subsp. ciliatissimus* (*Klokov*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 406 (1990): *T. ciliatissimus*.  
 polytrichus  
   *subsp. britannicus* (*Ronniger*) *M. Kerguelen in Lejeunia*, 120: 177 (1987): *T. britannicus*.  
   *subsp. vallicola* (*H. Braun*) *M. Debray ex M. Kerguelen in Lejeunia*, 120: 177 (1987): *T. trachselianus var. vallicola*.  
 praecox  
   *f. badensis* (*H. Braun*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 405 (1990): *T. badensis*.  
   *f. borosianus* (*Lyka*) *P. Schmidt ex J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 407 (1990): *T. serpyllum f. borosianus*.  
   *subsp. caucasicus* (*Ronniger*) *J. Čáp in Willdenowia*, 15(2): 423 (1986): *T. caucasicus*.  
   *f. cinerosus* (*Lyka*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 405 (1990): *T. serpyllum f. cinerosus*.  
   *var. grossheimii* (*Ronniger*) *J. Čáp in Willdenowia*, 15(2): 424 (1986): *T. grossheimii*.  
   *subsp. jankae* (*Celak.*) *J. Čáp in Willdenowia*, 15(2): 423 (1986): *T. jankae*.  
 pulcherrimus  
   *f. goemoeriensis* (*Lyka*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 405 (1990), *as 'gömöriensis'*: *T. serpyllum f. goemoeriensis*.  
 pulegioides  
   *var. ascendens* (*Wimmer & Grab.*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 404 (1990): *T. serpyllum var. ascendens*.  
   *var. barbulatus* (*Borbás ex Ronniger*) *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 404 (1990): *T. pulegioides p. subvar. barbulatus*.  
*rechingeri* *P. Hartvig in Pl. Syst. Evol.*, 155(1-4): 205 (1987)—Greece.

**THYMUS** :-

- subsp. macrocalyx* *P. Hartvig in Pl. Syst. Evol.*, 155(1-4): 206 (1987)—Greece.  
*rigidulus* *M. Kerguelen in Lejeunia*, 120: 178 (1987), *nom. nov.*: *T. angustifolius var. rigidus* *Wimm. & Grab.*  
 ×*saxicola*  
   *nothovar. pseudohumifusus* *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 409 (1990), *as 'nothomorph'*—Czechoslovakia. (*T. pannonicus var. latifolius × praecox*).  
 ×*schmidtii* *J. Čáp in Biología, A (Czechoslovakia)*, 45(5): 408 (1990)—Czechoslovakia. (*T. glabrescens × serpyllum*).  
 serpyllum  
   *var. album* *B. Ghosh & U.C. Bhattacharyya in J. Econ. Taxon. Bot.*, 10(2): 311 (1987 publ. 1988)—India.  
 subnervosus *A.I. Vvedenskii, M.M. Nabiev & M. Tulyaganova in Opred. Rast. Sred. Azii*, 9: 361 (1987)—U.S.S.R. (Middle Asia).  
 teucroides  
   *subsp. alpinus* *P. Hartvig in Pl. Syst. Evol.*, 155(1-4): 204 (1987)—Greece.  
   *subsp. candilicus* (*Beauverd*) *P. Hartvig in Pl. Syst. Evol.*, 155(1-4): 204 (1987): *T. teucroides var. candilicus*.  
 ×*viciosoi* (*Pau*) *R. Morales Valverde in An. Jard. Bot. Madrid*, 43(1): 41 (1986): *T. bracteatus f. viciosoi*.

**THYRSALACIA** (*Celastrac.*).

- pararacemosa* *N. Hallé in Fl. Gabon*, 29: 24 (1986)—Cameroun.  
*racemosa* (*Loesener ex Harms*) *N. Hallé in Fl. Gabon*, 29: 26 (1986): *Salacia racemosa*.

**THYSANOSTIGMA** (*Acanthac.*).

- odontites* (*Ridley*) *B. Hansen in Nordic J. Bot.*, 8(3): 228 (1988): *Justicia odontites*.

**THYSANOTUS** (*Anthericac.*).

- newbeyi* *N.H. Britton in Fl. Australia*, 45: 495, 323 (1987)—Australia (W. Australia).

**TIBETIA** (*Legumin.*).

- forrestii* (*Alt*) *P.C. Li in Acta Bot. Yunnanica*, 11(3): 287 (1989): *Gueldenstaedtia forrestii*.  
*liangshanensis* *P.C. Li in Acta Bot. Yunnanica*, 11(3): 287 (1989)—China.  
*tongolensis*  
   *f. coelestis* (*Diels*) *P.C. Li in Acta Bot. Yunnanica*, 11(3): 286 (1989): *Astragalus coelestis*.

**TIBOUCHINA** (*Melastomatac.*).

- taperoensis* *J.J. Wurdack in Phytologia*, 64(4): 295 (1988)—Brazil.  
*wasshausenii* *J.J. Wurdack in Brittonia*, 40(1): 7 (1988)—Peru.

**TICODENDRON** *J. Gómez-Laurito & L.D. Gómez P. in Ann. Missouri Bot. Gard.*, 76(4): 1148 (1989). **UNKNOWN.**

- incognitum* *J. Gómez-Laurito & L.D. Gómez P. in Ann. Missouri Bot. Gard.*, 76(4): 1148 (1989)—Costa Rica, Panama, Nicaragua.

**TICOREA** (*Rutac.*).

- tubiflora* (*A.C. Smith*) *R.E. Gereau in Candollea*, 45(1): 371 (1990): *Galipea tubiflora*.

**TIETKENSIA** *P.S. Short in Muelleria*, 7(2): 248 (1990). **COMPOSITAE.**

- corrickiae* *P.S. Short in Muelleria*, 7(2): 249 (1990)—Australia (N. Terr., W. Australia, S. Australia).

**TIGRIDIA** (*Iridac.*).

- chrysantha* *Cruden & S.J. Walker ex R. McVaugh, Fl. Novo-Galiciana*, 15: 337 (1989)—Mexico.  
*martinezii* *G. Calderón de Rzedowski in Bol. Soc. Bot. Mex.*, 47: 3 (1987)—Mexico.  
*raimondii* *P. Ravenna in Phytologia*, 64(4): 289 (1988)—Peru.

**TILIA** (*Tiliac.*).

- sect. Endochrysea* *H.T. Chang in Fl. Reipubl. Popul. Sin.*, 49(1): 53 (1989), *without latin descr.*



**TILIA :-**

- americana  
var. mexicana (Schlecht.) J. W. Hardin in *Syst. Bot.*, 15(1): 45 (1990): T. mexicana.  
angustibracteata H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(2): 41 (1987)—China.  
argentea  
f. subglobularis Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 179 (1985)—Hungary.  
caucasica  
f. seiuntobracteata L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 179 (1985)—Hungary.  
euchlora  
f. pseudomultibracteata L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 179 (1985), as 'pseudo-multibracteata'—Hungary.  
fulvosa H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(2): 42 (1987)—China.  
gracilis H.T. Chang in *Acta Sci. Nat. Univ. Sunyatseni*, 1987(2): 42 (1987)—China.  
grandifolia  
f. praestabilis Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 175 (1985)—Cultivation.  
miqueliana  
var. longipes P.L. Chiu in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 105 (1988)—China.  
paucicostata  
var. dictyoneura (V. Engl. ex Schneider) H.T. Chang & Miau in *Fl. Reipubl. Popul. Sin.*, 49(1): 72 (1989): T. dictyoneura.  
var. ningshanensis P.H. Yang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 113 (1988)—China.  
platyphyllos  
f. grandibracteata L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 175 (1985)—Romania.  
f. pseudotrichogyna L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 175 (1985), as 'pseudo-trichogyna'—Hungary.  
f. sublaevigata Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 175 (1985)—Hungary.  
×praelustris Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 179 (1985)—Hungary. (T. × jakabiana × petiolaris).  
×pseudolongirostris Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 173 (1985)—Hungary. (T. argentea × petiolaris).  
×pseudopulchra Wagn. ex L.Zs. Vöröss in *Acta Bot. Hung.*, 31(1-4): 175 (1985)—Cultivation. (T. argentea var. calvescens × petiolaris).

**TILLANDSIA (Bromeliac.).**

- abysmophila L.B. Smith & J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 73(4): 714 (1986 publ. 1987)—Venezuela.  
almeriae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 19 (1986)—Colombia.  
alvareziae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 22 (1986), as 'alvarezii'—Mexico.  
bagua-grandensis W. Rauh in *J. Bromeliad Soc.*, 37(6): 259 (1987)—Peru.  
candida E.M.C. Leme in *Bradea*, 4(50): 397 (1987)—Brazil.  
chapeuensis W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 24 (1986)—Brazil.  
coinaensis R. Ehlers in *Bromelie*, 1990(1): 9 (1990)—Peru.  
confinis  
var. minor J. Rutschmann & W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 47 (1988)—Ecuador.  
copanensis W. Rauh & Rutschmann in *J. Bromeliad Soc.*, 38(1): 7 (1988)—Honduras.  
copynii E.J. Gouda in *J. Bromeliad Soc.*, 38(2): 82 (1988)—Brazil.  
dexteri H.E. Luther in *Selbyana*, 11: 54 (1989)—Costa Rica.  
×donatoi E.M.C. Leme in *Bradea*, 4(39): 316 (1987)—Brazil. (T. gardneri var. gardneri × stricta var. stricta).  
dorotheae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 59 (1987)—Argentina.

**TILLANDSIA :-**

- elvira-grossiae W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 49 (1988)—Peru.  
feldhoffii R. Ehlers in *Bromelie*, 1990(2): 40 (1990)—Guatemala.  
fuchsii W. Till in *Bromelie*, 1990(2): 30 (1990)—Mexico.  
f. gracilis W. Till in *Bromelie*, 1990(2): 32 (1990)—Mexico, Guatemala.  
var. stephani W. Till in *Bromelie*, 1990(2): 32 (1990)—Mexico.  
funkiana  
var. recurvifolia A. Blass ex W. Rauh in *J. Bromeliad Soc.*, 39(3): 116 (1989)—Venezuela.  
genseri W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 54 (1988)—Argentina.  
guasamayensis C.A. Palaci & A.J. Gilmarin in *Syst. Bot.*, 14(2): 152 (1989)—Argentina.  
guelzii W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 55 (1988)—Argentina.  
guerreroensis W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 65 (1987)—Mexico.  
hammeri W. Rauh & R. Ehlers in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 67 (1987)—Mexico.  
harrisi R. Ehlers in *Bromelie*, 3: 34 (1987)—Guatemala.  
huarazensis Ehlers & Till in *Bromelie*, 1988(2): 21 (1988)—Peru.  
ilseana W. Till, H. Halbritter & E. Zecher in *J. Bromeliad Soc.*, 39(4): 153 (1989)—Mexico.  
imperialis Morren ex Roehl, *Deut. Gärt.-Zeit.*, 1881; *Belgique horticole*, 33: 133 (1883); cf. D.J. Mabberley in *Taxon*, 34(3): 455 (1985)—Locality not stated.  
jaliscopinicola L. Hromadnik & P. Schneider in *Haussknechtia*, *Mitt. Thüring. Bot. Ges.*, 2: 43 (1985)—Mexico.  
klausii R. Ehlers in *J. Bromeliad Soc.*, 38(6): 257 (1988)—Mexico.  
krukkoffiana  
var. piepenbringii W. Rauh in *J. Bromeliad Soc.*, 36(6): 259 (1986)—Peru.  
kurt-horstii W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 69 (1987)—Brazil.  
maxima Strangew., *Sketch Mosq. Shore*: 138 (1822); cf. D.J. Mabberley in *Taxon*, 33(3): 444 (1984)—Locality not stated.  
muhrae W. Weber in *Feddes Repert.*, 97(3-4): 101 (1986)—Argentina.  
nolleriana R. Ehlers ex W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 29 (1986)—Mexico.  
nuyooensis R. Ehlers in *Bromelie*, 1989(3): 53 (1989)—Mexico.  
oropezana L. Hromadnik in *Bromelie*, 1989(1): 14 (1989)—Bolivia.  
pamelae W. Rauh in *J. Bromeliad Soc.*, 36(3): 117 (1986)—Mexico.  
paucifolia  
subsp. schubertii F. Ebel & J. Röth in *Flora (Germany)*, 181(3-4): 179 (1988)—Mexico.  
peiranoi  
var. alba J. Rutschmann ex W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 32 (1986)—Argentina.  
pentasticha W. Rauh & R. Wülfinghoff in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 59 (1988)—Mexico.  
pfeutferi W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 65: 61 (1988)—Argentina.  
porongoensis L. Hromadnik & P. Schneider in *Haussknechtia*, *Mitt. Thüring. Bot. Ges.*, 4: 39 (1988)—Argentina.  
praschekii R. Ehlers & K. Willinger in *Bromelie*, 1989(2): 36 (1989)—Cuba.  
pseudocardenasii W. Weber in *Feddes Repert.*, 97(3-4): 103 (1986)—Bolivia.  
pseudosetacea R. Ehlers & W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 35 (1986)—Mexico.

**TILLANDSIA :-**

- pucaraensis R. Ehlers in *Bromelie*, 1989(1): 9 (1989)—Peru.  
rayonesensis R. Ehlers in *J. Bromeliad Soc.*, 40(1): 21 (1990)—Mexico.  
reclinata Anon. in *Bradea*, 4(33): errata slip (1986), non Pereira & Martinelli (1982)—Brazil.  
romeroi  
var. gruberi W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 77 (1987)—Colombia.  
schusteri W. Rauh in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 37 (1986)—Mexico.  
spiculosa  
var. stenoglossa (L.B. Smith) E.J. Gouda in *Fl. Guianas, Ser. A*, 3(189): 62 (1987): T. stenoglossa.  
spiralipetala E.J. Gouda in *J. Bromeliad Soc.*, 36(4): 165 (1986)—Bolivia.  
tetrantha  
var. caribaea (L.B. Smith) E.J. Gouda in *Fl. Guianas, Ser. A*, 3(189): 65 (1987): T. caribaea.  
tortilis  
subsp. curvifolia R. Ehlers & W. Rauh in *J. Bromeliad Soc.*, 40(4): 167 (1990)—Mexico.  
turquinensis K. Willinger & Michálek in *J. Bromeliad Soc.*, 39(1): 8 (1989)—Cuba.  
vicentina  
var. wuelfinghoffii E. Gross in *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 82 (1987)—Mexico.  
weberi L. Hromadnik & P. Schneider in *J. Bromeliad Soc.*, 37(3): 105 (1987)—Mexico.  
wuelfinghoffii R. Ehlers in *J. Bromeliad Soc.*, 40(5): 201 (1990), as 'wülfinghoffii'—Mexico.  
xiphioides  
var. lutea L. Hromadnik in *Bromelie*, 1990(1): 14 (1990)—Bolivia.  
var. minor L. Hromadnik in *Bromelie*, 1989(3): 65 (1989)—Argentina.  
yuncharaensis W. Till in *J. Bromeliad Soc.*, 40(5): 214 (1990)—Bolivia.

**TIMONIUS (Rubiace.).**

- corneri K.M. Wong in *Kew Bull.*, 43(3): 500 (1988)—Malaya, Thailand.  
var. penangianus (Ridl.) K.M. Wong in *Kew Bull.*, 43(3): 502 (1988): T. wallichianus var. penangianus.  
corymbosus  
var. takamatsui F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 159 (1987)—Caroline Is.  
glabrior (Val.) K.M. Wong in *Kew Bull.*, 43(3): 505 (1988): T. wallichianus var. glabrior.  
mollis  
var. submollis F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 161 (1987)—Caroline Is.  
var. villosissimus (Kanahira) F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 161 (1987): T. villosissimus.  
salsedoi F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 162 (1987)—Caroline Is.  
subauritus  
var. strigosus F.R. Fosberg & M.H. Sachet in *Micronesica*, 20(1-2): 163 (1987)—Caroline Is.

**TINOSPORA (Menispermac.).**

- guangxiensis H.S. Lo in *Guihaia*, 6(1-2): 52 (1986)—China.  
hainanensis H.S. Lo & Z.X. Li in *Guihaia*, 6(1-2): 51 (1986)—Hainan.  
sagittata  
var. leucocarpa Y. Wan ex C.Z. Gao in *Guihaia*, 10(3): 178 (1990)—China.  
var. yunnanensis (S.Y. Hu) H.S. Lo in *Fl. Yunnanica*, 3: 232 (1983): T. yunnanensis.  
siamensis L.L. Forman in *Kew Bull.*, 43(3): 407 (1988)—Thailand.  
verrucosa (Fleming) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 656 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): Menispermum verrucosum.

**TIPULARIA (Orchidac.).**

- harae (Maekawa) S.C. Chen in *Acta Phytotax. Sin.*, 25(5): 335 (1987): T. japonica var. harae.

**TITHYMALUS** (Euphorbiac.).

- duvalii (*Lecoq & Lamotte*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia duvalii.
- ericetorum (*Zumagl.*) *J. Soják in Čas. Nár. Muz. (Prague)*, 149(3-4): 210 (1980 publ. 1981): Euphorbia ericetorum.
- esula
- subsp. riparia (*Schur*) *J. Chrtek & B. Křisa in Čas. Nár. Muz. (Prague)*, 152(4): 226 (1983 publ. 1984): Euphorbia esula var. d riparia.
- subsp. tristis (*Bess. ex Bieb.*) *J. Chrtek & B. Křisa in Čas. Nár. Muz. (Prague)*, 152(4): 226 (1983 publ. 1984): Euphorbia tristis.
- flavicomus
- subsp. costeanus (*Rouy*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia flavicoma Race E. costeanus.
- gulestanicus (*Podlech*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia gulestanica.
- incisus (*Engelmann*) *W.A. Weber in Phytologia*, 67(6): 428 (1989): Euphorbia incisus.
- nicacensis
- subsp. cadrlateri (*Prod.*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia cadrlateri.
- subsp. glareosus (*Pall. ex Marsch.-Bieb.*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia glareosa.
- subsp. goldei (*Prokh.*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia goldei.
- subsp. pannonicus (*Host*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 22 (1983): Euphorbia pannonica.
- subsp. stepposus (*Zoz*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 23 (1983): Euphorbia stepposa.
- seguieranus
- subsp. loiseleuri (*Rouy*) *J. Soják in Čas. Nár. Muz. (Prague)*, 152(1): 23 (1983): Euphorbia gerardiana Race E. loiseleuri.

**TOCOCA** (Melastomatac.).

- croatii *F. Almeda in Proc. Calif. Acad. Sci.*, Ser. 4, 46(5): 148 (1989)—Panama.
- liesneri *J. J. Wurdack in Ann. Missouri Bot. Gard.*, 76(4): 961 (1989)—Venezuela.

**TODDALIA** (Rutac.).

- asiatica
- var. parva *Z.M. Tan in Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 47 (1989), without type—China.

**TOECHIMA** (Sapindac.).

- erythrocarpum
- subsp. papuanum *P.W. Leenhouts in Blumea*, 33(1): 204 (1988), nom. nov.: *T. livescens* Radlk.
- monticola *S.T. Reynolds in Fl. Australia*, 25: 202, 79 (1985)—Australia (Queensland).
- pterocephalum *S.T. Reynolds in Fl. Australia*, 25: 202, 81 (1985)—Australia (Queensland).

**TOFIELDIA** (Melanthiac.).

- sphaerocephala (*Khokhr.*) *A.P. Khokhryakov, Analiz Fl. Kolym'skogo Nagor'ya*: 18 (1989): *T. coccinea* subsp. sphaerocephala.

**TOLLATIA** (Compos.).

- chrysanthemoides (*DC.*) *Endl., Cat. Horti Vindob.*, 1: 353 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 436 (1984): Basionym not stated.

**TOLUMNIA** (Orchidac.).

- subgen. Variegata *G.J. Braem in Orchidee*, 37(2): 59 (1986).
- apiculata (*Moir*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium apiculatum*.
- bahamensis (*Nash ex Britt. & Millsp.*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium bahamense*.
- berenye (*Rchb. f.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium berenye*.
- calochila (*Cogn.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium calochilum*.
- caribensis (*Moir*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium caribense*.
- caymanensis (*Moir*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium caymanense*.
- compressicaulis (*Withner*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium compressicaule*.

**TOLUMNIA** :-

- concava (*Moir*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium concavum*.
- × cubense (*Moir*) *H. Dietrich in Wiss. Zeitschr. Friedrich-Schiller-Univ. Jena, Mat. Naturwiss.*, 37(1): 153 (1988): *Oncidium* × *cubense*.
- cuneilabia (*Moir*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium cuneilabium*.
- guianensis (*Aubl.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Ophrys guianensis*.
- guibertiana (*A. Rich.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium guibertianum*.
- haitensis (*Leonard & Ames ex Ames*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium haitense*.
- hawkesiana (*Moir*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium hawkesianum*.
- intermedia (*Bertero ex Spreng.*) *H. Dietrich in Wiss. Zeitschr. Friedrich-Schiller-Univ. Jena, Mat. Naturwiss.*, 37(1): 154 (1988): *Oncidium intermedium*.
- jimenezii (*Moir*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium jimenezii*.
- leiboldii (*Rchb. f.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium leiboldii*.
- lemoniana (*Lindley*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium lemonianum*.
- subsp. guibertiana (*A. Richard*) *G.J. Braem in Schlechteriana*, 1990(1): 40 (1990): *Oncidium guibertianum*.
- lucayana (*Nash ex Britt. & Millsp.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium lucayanum*.
- lyrata (*Withner*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium lyratum*.
- moiriana (*Osment*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium moiriana*.
- × osmentii (*Withner*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium osmentii*.
- prionochila (*Krzel.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium prionochilum*.
- quadrilobia (*C. Schweinf.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Oncidium quadrilobium*.
- sasseri (*Moir*) *G.J. Braem in Orchidee*, 37(2): 59 (1986), without exact basionym page: *Oncidium sasseri*.
- scandens (*Moir*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium scandens*.
- sylvestris (*Lindley*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium sylvestre*.
- tetrapetala (*Jacq.*) *G.J. Braem in Orchidee*, 37(2): 58 (1986): *Epidendrum tetrapetalum*.
- tuerckheimii (*Cogn.*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium tuerckheimii*.
- subsp. acunae *M.A. Diaz in Rev. Jard. Bot. Nacion. Univ. Habana*, 8(2): 18 (1987), as 'acunai'—Cuba.
- urophylla (*Lodd. ex Lindley*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium urophyllum*.
- usneoides (*Lindley*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium usneoides*.
- variegata (*Sw.*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Epidendrum variegatum*.
- velutina (*Lindley ex Paxton*) *G.J. Braem in Orchidee*, 37(2): 59 (1986): *Oncidium velutinum*.

**TONESTUS** (Compos.).

- aberrans (*A. Nelson*) *G.L. Nesom & D.R. Morgan in Phytologia*, 68(3): 177 (1990): *Macronema aberrans*.
- alpinus (*L. Anderson & S. Goodrich*) *G.L. Nesom & D.R. Morgan in Phytologia*, 68(3): 177 (1990): *Haplopappus alpinus*.
- graniticus (*Tiehm & L. Shultz*) *G.L. Nesom & D.R. Morgan in Phytologia*, 68(3): 178 (1990): *Haplopappus graniticus*.
- microcephalus (*Cronq.*) *G.L. Nesom & D.R. Morgan in Phytologia*, 68(3): 178 (1990): *Haplopappus microcephalus*.
- peirsonii (*Keck*) *G.L. Nesom & D.R. Morgan in Phytologia*, 68(3): 178 (1990): *Haplopappus eximius* subsp. *peirsonii*.

**TONGOLOA** (Umbellif.).

- cnidiifolia *K.T. Fu in Fl. Tsinlingensis*, 1(3): 456, 385 (1981)—China.
- filicaudicis *K.T. Fu in Fl. Tsinlingensis*, 1(3): 456, 385 (1981)—China.
- rubronervis *S.L. Liu in Acta Phytotax. Sin.*, 27(1): 69 (1989)—China.

**TONGOLOA** :-

- zhongdianensis *S.L. Liu in Acta Phytotax. Sin.*, 27(1): 68 (1989)—China.

**TOONA** (Meliac.).

- ciliata
- var. australis (*F. Muell.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 78 (1988): *Cedrela australis*.
- var. brevipetiolulata (*Haines*) *S.C. Mishra & G. Panigrahi in Indian J. Forest.*, 11(2): 140 (1988): *Cedrela brevipetiolulata*.
- var. candollei *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 99 (1988)—India, China.
- var. grandifoliola (*C. DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 91 (1988): *Cedrela microcarpa* var. *grandifoliola*.
- var. hainesii (*C.DC.*) *G. Panigrahi & S.C. Mishra in Indian J. Forest.*, 11(2): 141 (1988): *Cedrela hainesii*.
- var. hasletii (*Haines*) *G. Panigrahi & S.C. Mishra in Indian J. Forest.*, 11(2): 141 (1988): *Cedrela toona* var. *hasletii*.
- var. haslettii (*Haines*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 92 (1988): *Cedrela toona* var. *haslettii*.
- var. hexandra (*Wall.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 93 (1988): *Cedrela hexandra*.
- var. kingii (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 100 (1988): *Cedrela kingii*.
- var. listeri (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 94 (1988): *Cedrela toona* var. *listeri*.
- var. mollis (*Hand.-Mazz.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 101 (1988): *Cedrela mollis*.
- var. multijuga (*Kurz*) *G. Panigrahi & S.C. Mishra in Indian J. Forest.*, 11(2): 141 (1988): *Cedrela multijuga*.
- var. parviflora (*Benth.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 94 (1988): *Cedrela toona* var. *parviflora*.
- var. pilistila (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 95 (1988): *Cedrela toona* var. *pilistila*.
- var. pubinervis (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 96 (1988): *Cedrela toona* var. *pubinervis*.
- subsp. velutina (*DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 97 (1988): *Cedrela velutina*.
- var. velutina (*DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 104 (1988): *Cedrela velutina*.
- var. vestita (*C.T. White*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 106 (1988): *Cedrela toona* var. *vestita*.
- microcarpa
- var. pilipetala (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 113 (1988): *Cedrela toona* var. *pilipetala*.
- var. sahnii *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 114 (1988)—India, Bhutan.
- sinensis
- var. denticulata (*Chev.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 118 (1988): *T. microcarpa* var. *denticulata*.
- var. glabra (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 120 (1988): *Cedrela glabra*.
- var. grandifolia (*Chev.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 121 (1988): *T. microcarpa* var. *grandifolia*.
- var. puberula (*C.DC.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 122 (1988): *Cedrela serrata* var. *puberula*.
- var. schensiana (*C.DC.*) *X.M. Chen in J. Wuhan Bot. Res.*, 4(2): 187 (1986): *Cedrela sinensis* var. *schensiana*.
- sureni
- var. celebica (*Koorders*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 133 (1988): *Cedrela celebica*.
- var. cochinchinensis (*Pierre*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 135 (1988): *T. febrifuga* var. *cochinchinensis*.
- var. inodora (*Hassk.*) *K.N. Bahadur, Monogr. Genus Toona (Meliac.)*: 136 (1988): *Cedrela inodora*.

**TOONA** :-

- var. philippinensis* (Elm.) K.N. Bahadur, *Monogr. Genus Toona* (Meliac.): 138 (1988): T. philippinensis.  
*var. teysmannii* (Hassk.) K.N. Bahadur, *Monogr. Genus Toona* (Meliac.): 143 (1988): Cedrela teysmannii.  
*ternatensis* (Miq.) K.N. Bahadur, *Monogr. Genus Toona* (Meliac.): 144 (1988): Cedrela febrifuga f. ternatensis.

**TOPOBEA** (Melastomatac.).

- caliginosa* F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 317 (1990), nom. nov.: Blakea micrantha Almeda.  
*crassifolia* (Almeda) F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 318 (1990): Blakea crassifolia.  
*fragrantissima* F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 318 (1990)—Panama.  
*hexandra* F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 320 (1990)—Panama.  
*parvifolia* (Gleason) F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 322 (1990): Blakea parvifolia.  
*pascoensis* J.J. Wurdack in *Brittonia*, 40(1): 14 (1988)—Peru.  
*suaveolens* F. Almeda in *Proc. Calif. Acad. Sci.*, Ser. 4, 46(14): 323 (1990)—Panama.

**TORDYLIUM** (Umbellif.).

- carmeli* (Labill.) D. Al-Eisawi & S.L. Jury in *Bot. J. Linn. Soc.*, 97(4): 392 (1988): Heracleum carmeli.  
*ebracteatum* D. Al-Eisawi & S.L. Jury in *Bot. J. Linn. Soc.*, 97(4): 401 (1988)—Turkey.  
*trachycarpum* (Boiss.) D. Al-Eisawi & S.L. Jury in *Bot. J. Linn. Soc.*, 97(4): 395 (1988): Ainsworthia trachycarpa.

**TORENIA** (Scrophulariac.).

- celebica* T. Yamazaki in *J. Jap. Bot.*, 65(9): 262 (1990)—Celebes.  
*goetzei* (Engl.) F.N. Hepper in *Bol. Soc. Brot.*, 60: 271 (1987): Craterostigma goetzei.  
*involucrata* D. Philcox in *Bol. Soc. Brot.*, 60: 267 (1987)—Zambia.  
*javanica* T. Yamazaki in *J. Jap. Bot.*, 65(9): 261 (1990)—Java.  
*latibracteata* (Skan) F.N. Hepper in *Bol. Soc. Brot.*, 60: 271 (1987): Craterostigma latibracteatum.  
*subsp. parviflora* D. Philcox in *Bol. Soc. Brot.*, 60: 267 (1987)—Zambia.  
*ledermannii* F.N. Hepper in *Bol. Soc. Brot.*, 60: 271 (1987), nom. nov.: Craterostigma gracile Pilger.  
*monroi* (S. Moore) D. Philcox in *Bol. Soc. Brot.*, 60: 267 (1987): Craterostigma monroi.  
*tenuifolia* D. Philcox in *Bol. Soc. Brot.*, 60: 267 (1987)—Zambia.  
*thailandica* T. Yamazaki in *J. Jap. Bot.*, 65(9): 265 (1990)—Thailand.

**TORILIS** (Umbellif.).

- nodosa*  
*subsp. nemoralis* S. Brullo in *Colloqu. Phytosociolog.*, 12: 76 (1983); see *Publ. Ist. Bot. Univ. Catania* (1985)—Sicily.  
*webbii* S.L. Jury in *Bot. J. Linn. Soc.*, 95(4): 297 (1987)—Morocco, Libya, Tunisia, Algeria, Portugal, Spain, Balearic Is., Sicily, Cyprus, Turkey, Iran, Iraq, Egypt, Israel, Canary Is.

**TORREYA** (Taxac.).

- grandis*  
*var. yunnanensis* (Cheng & Fu) J. Silba in *Phytologia*, 68(1): 72 (1990): T. yunnanensis.

**TORULARIA** (Crucif.).

- shuanghuica* K.C. Kuan & An in *Fl. Xizangica*, 2: 404 (1985)—Xizang.

**TORULINIUM** (Cyperac.).

- macrocephalum*  
*var. davidsei* C.D. Adams in *Phytologia*, 63(4): 300 (1987)—Trinidad.  
*odoratum*  
*subsp. auriculatum* (Nees & Meyen ex Kunth) T. Koyama in *Bishop Mus. Occas. Pap.*, 29: 125 (1989): Cyperus auriculatus.

**TOUCHARDIA** (Urticac.).

- christenseni* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*glabra* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*haupuensis* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*iaoensis* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*konaensis* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*lanaiensis* H. St. John in *Phytologia*, 63(3): 183 (1987)—Hawaiian Is.  
*molokaiensis* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.  
*nana* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.  
*napaliensis* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.  
*occidentalis* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.  
*wailaensis* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.  
*wainihaensis* H. St. John in *Phytologia*, 63(3): 184 (1987)—Hawaiian Is.

**TOULICIA** (Sapindac.).

- anomala* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1076 (1988)—Venezuela.

**TOURNEFORTIA** (Boraginac.).

- brantii* J.S. Miller in *Ann. Missouri Bot. Gard.*, 76(2): 619 (1989)—Colombia.  
*calycosa* (Donn. Smith) D.L. Nash in *Fl. Veracruz*, 18: 131 (1981): T. bicolor var. calycosa.  
*hirsutissima*  
*f. bicolor* (Swartz) D.L. Nash in *Fl. Veracruz*, 18: 141 (1981): T. bicolor.  
*longispica* J.S. Miller in *Ann. Missouri Bot. Gard.*, 75(2): 513 (1988)—Panama.  
*multiflora* J.S. Miller in *Ann. Missouri Bot. Gard.*, 75(2): 515 (1988)—Panama.  
*pedicellata* D.L. Nash in *Fl. Veracruz*, 18: 143 (1981)—Mexico.  
*spicata* J.S. Miller in *Ann. Missouri Bot. Gard.*, 76(2): 619 (1989)—Colombia.  
*urceolata* J.S. Miller in *Ann. Missouri Bot. Gard.*, 75(2): 518 (1988)—Panama.  
*usambarensis* (Verdc.) B. Verdcourt in *Kew Bull.*, 43(3): 436 (1988): T. sarmentosa subsp. usambarensis.

**TOVOMITOPSIS** (Guttif.).

- silvicola* B.E. Hammel in *Selbyana*, 9(1): 113 (1986)—Costa Rica.

**TOWNSENDIA** (Compos.).

- jonesii*  
*var. lutea* S.L. Welsh in *Great Basin Nat.*, 43(2): 369 (1983)—U.S.A. (Utah).  
*montana*  
*var. caelilinenensis* S.L. Welsh in *Great Basin Nat.*, 43(2): 370 (1983)—U.S.A. (Utah).

**TOXICODENDRON** (Anacardiace.).

- quinquefoliolatum* Q.H. Chen in *Acta Bot. Yunnanica*, 7(4): 415 (1985)—China.  
*toxicarum*  
*f. elobatum* (Fern.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): Rhus toxicodendron f. elobatum.  
*f. leiocarpum* (Fern.) C.F. Reed in *Phytologia*, 63(5): 411 (1987): Rhus toxicodendron f. leiocarpa.  
*vernificium*  
*var. shaanxiense* J.Z. Zhang & Z.Y. Shang in *Acta Bot. Bor.-Occid. Sin.*, 5(4): 314 (1985)—China.

**TOXOCARPUS** (Asclepiadac.).

- letouzeanus* H. Huber in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(4): 447 (1989 publ. 1990)—Cameroun.

**TRACHOMA** (Orchidac.).

- papuanum* (Schltr.) M.A. Clements, J.J. Wood & D. Jones in *Austral. Orchid Res.*, 1: 145 (1989): Saccolabium papuanum.

**TRACHOMA** :-

- speciosum* D. Jones, B. Gray, M.A. Clements & J.J. Wood in *Austral. Orchid Res.*, 1: 145 (1989)—Australia (Queensland), New Guinea (Papua New Guinea).  
*stellatum* M.A. Clements, D. Jones, B. Gray & J.J. Wood in *Austral. Orchid Res.*, 1: 146 (1989)—Australia (Queensland).

**TRACHYANDRA** (Asphodelac.).

- aridimontana* J.C. Manning in *S. Afr. J. Bot.*, 56(1): 1 (1990)—South Africa (Cape Province).  
*prolifera* P.L. Perry in *S. Afr. J. Bot.*, 56(2): 257 (1990)—South Africa (Cape Province).

**TRACHYDIUM** (Umbellif.).

- involucellatum* R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 24(4): 313 (1986)—Xizang.  
*pauciradiatum* (Boiss. & Hohen.) K.H. Rechinger in *Fl. Iran.*, 162: 183 (1987): Prangos pauciradiata.

**TRACHYMENE** (Umbellif.).

- clivicola* Boyland & A.E. Holland in *Austrobaileya*, 3(1): 135 (1989)—Australia (Queensland).  
*hookeri* (Domin) A.E. Holland in *Austrobaileya*, 3(1): 135 (1989): Didiscus procumbens var. hookeri.  
*humilis*  
*subsp. breviscapa* (Domin) P.S. Short in *Muelleria*, 6(3-4): 166 (1986): Didiscus humilis f. breviscapus.

**TRACHYSPERMUM** (Umbellif.).

- aethusifolium*  
*var. verruculosum* C.C. Townsend in *Kew Bull.*, 41(2): 456 (1986), as 'verruculosa'—Kenya.  
*confusum* I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 340 (1987)—Afghanistan.  
*gedrosiacum* (Burm.) I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 340 (1987): Pimpinella gedrosiaca.  
*halophilum* I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 339 (1987)—Afghanistan.  
*microcarpum* I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 342 (1987)—Afghanistan.  
*paktianum* I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 343 (1987)—Afghanistan.  
*papillare* (Boiss.) I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 342 (1987): Reutera papillaris.  
*podlechii* (Leute) I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 339 (1987): Seseli podlechii.  
*stewartii* (Dunn) I.C. Hedge, J.M. Lamond & K.H. Rechinger in *Fl. Iran.*, 162: 338 (1987): Pituranthos stewartii.

**TRADESCANTIA** (Commelinac.).

- sect. Campelia* (L.C. Rich.) D.R. Hunt in *Kew Bull.*, 41(2): 404 (1986): gen. Campelia.  
*sect. Corinna* D.R. Hunt in *Kew Bull.*, 41(2): 405 (1986).  
*sect. Rhoeo* (Hance) D.R. Hunt in *Kew Bull.*, 41(2): 401 (1986): gen. Rhoeo.  
*sect. Zebrina* (Schnizlein) D.R. Hunt in *Kew Bull.*, 41(2): 404 (1986): gen. Zebrina.  
*exaltata* D.R. Hunt in *Kew Bull.*, 41(2): 406 (1986)—Mexico.  
*zebrina*  
*var. flocculosa* (G. Brueckner) D.R. Hunt in *Kew Bull.*, 41(2): 406 (1986): Zebrina flocculosa.  
*var. mollipila* D.R. Hunt in *Kew Bull.*, 41(2): 406 (1986)—Mexico.

**TRAGACANTHA** (Legumin.).

- albanica* (Sirj.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 23 (1983): Astragalus albanicus.  
*alexandri* (Sirj.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 23 (1983): Astragalus alexandri.  
*chodzha-bakirganica* M.R. Rasulova in *Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk*, 4(81): 93 (1980), as '(B. Kom.)' but basionym invalid—U.S.S.R. (Middle Asia).  
*cyllenea* (Boiss. & Heldr.) J. Soják in *Čas. Nár. Muz. (Prague)*, 152(1): 23 (1983): Astragalus cylleneus.





**TRICALYSIA** :-

griseiflora

var. *barotseana* E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 169 (1987)—Zambia, Zaïre, Angola.

var. *benguellensis* (Welw. ex Hiern) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 168 (1987): T. benguellensis.

jasminiflora

var. *kirkii* (Hiern) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 202 (1987): T. kirkii.

lasiodelphys

subsp. *anomalura* (N. Hallé) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 75 (1987): T. anomalura.

niamniamensis

var. *djurensis* (Schweinf. ex Hiern) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 173 (1987): T. djurensis.

var. *nodosa* E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 174 (1987)—Zimbabwe, Malawi, Zambia, Uganda, Zaïre.

obanensis

subsp. *kwangoensis* E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 98 (1987)—Zaïre, Angola.

pedicellata E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 194 (1987)—Tanzania.

pedunculosa (N. Hallé) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 105 (1987): T. soyauxii var. pedunculosa.

var. *pilosula* (N. Hallé) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 106 (1987): T. soyauxii var. pilosula.

var. *walkeriana* (N. Hallé) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 106 (1987): T. soyauxii var. walkeriana.

repens E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 152 (1987)—Zambia, Zaïre, Angola.

schliebenii E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 196 (1987)—Tanzania.

somaliensis E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 56(1-2): 149 (1986)—Somali Republic.

sylvae E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 154 (1987)—Cameroun, Gabon.

vadensis E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 78 (1987)—Cameroun.

velutina E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 179 (1987)—Tanzania.

yangambiensis (N. Hallé) E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 110 (1987): T. soyauxii var. yangambiensis.

zambesiaca E. Robbrecht in Bull. Jard. Bot. Nation. Belg., 57(1-2): 141 (1987)—Zambia.

**TRICHANTHEMIS** (Compos.).

afghanica D. Podlech in Fl. Iran., 158: 155 (1986)—Afghanistan.

**TRICHANTHODIUM** (Compos.).

baracchianum (Ewart & J. White) P.S. Short in Muelleria, 7(2): 222 (1990): Gnephosis baracchiana.

exilis (W.V. Fitzg.) P.S. Short in Muelleria, 7(2): 221 (1990): Gnephosis exilis.

scarlettianum P.S. Short in Muelleria, 7(2): 219 (1990)—Australia (W. Australia).

**TRICHILIA** (Meliac.).

lovetii M. Cheek in Kew Bull., 44(3): 457 (1989)—Tanzania.

**TRICHOCAULON** (Asclepiadac.).

felinum D.T. Cole in Aloe, 22(1): 6 (1985)—South Africa (Cape Province).

**TRICHOCEREUS** (Cactac.).

arboricola M. Kimmach in Cact. Succ. J. (U.S.A.), 62(1): 4 (1990)—Bolivia, Argentina.

**TRICHOCEROS** (Orchidac.).

bennettii C.H. Dodson & Escobar in Ic. Pl. Trop., Ser. 2, 2: t. 195 (1989)—Peru.

**TRICHOCLINE** (Compos.).

beckerae H. Robinson in Phytologia, 65(1): 47 (1988), as 'beckeri'—Peru.

**TRICHODESMA** (Boraginac.).

afghanicum F. Sadat in Mitt. Bot. Staatssamml. München, 28: 178 (1989)—Afghanistan.

incanum

f. *glabrescens* A.P. Chukavina in Fl. Tadzhikskoi SSR, 7: 525 (1984)—U.S.S.R. (Middle Asia).

paktiense F. Sadat in Mitt. Bot. Staatssamml. München, 28: 183 (1989)—Afghanistan.

podlechii F. Sadat in Mitt. Bot. Staatssamml. München, 28: 170 (1989)—Afghanistan.

**TRICHODIUM** (Gramin.).

capillaris (L.) A.W. Roth, Novae Plantarum Species: 41 (1821): Agrostis capillaris.

**TRICHOGLOTTIS** (Orchidac.).

crociaria G. Seidenfaden in Op. Bot., 95: 80 (1988)—Thailand.

gibbosicalcar (Seid.) K. Senghas in Schlechter Orchideen, 1(21): 1315 (1988): Staurochilus gibbosicalcar.

ramosa (Lindl.) K. Senghas in Schlechter Orchideen, 1(21): 1315 (1988): Saccolabium ramosum.

seidenfadenii L.V. Aver'yanov in Bot. Zhurn., 73(3): 429 (1988)—Vietnam, Thailand.

tomentosa G. Seidenfaden in Op. Bot., 95: 82 (1988)—Thailand, Vietnam.

**TRICHOLAENA** (Gramin.).

capensis

subsp. *arenaria* (Nees) G. Zizka, Revis. Melinideae Hitchcock: 75 (1987), ineffective publ.; in Biblioth. Bot., 138: 49 (1988): T. arenaria.

teneriffae

subsp. *eichingeri* (Mez) G. Zizka, Revis. Melinideae Hitchcock: 69 (1987), ineffective publ.; in Biblioth. Bot., 138: 46 (1988): Melinis eichingeri.

**TRICHOLASER** (Umbellif.).

cachemicum (C.B. Clarke) R. Alava in Fl. Iran., 162: 491 (1987): Heracleum cachemicum.

**TRICHOPUS** (Trichopodac.).

zeylanicus

subsp. *angustifolius* (Lindley) V.V. Sivarajan, P. Pushpangadan & P.K. Ratheesh Kumar in Kew Bull., 45(2): 357 (1990): Trichopodium angustifolium.

**TRICHOPYRUM** A. Löve in Veröff. Geobot. Inst.

Rübel, 87: 49 (1986). GRAMINEAE.

intermedium (Host) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986): Triticum intermedium.

subsp. *afghanicum* (Melderis) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986), without basionym ref. see Art. 33.3 ICBN 1983: Basionym not stated.

subsp. *barbulatum* (Schur) A. Löve in Taxon, 35(1): 198 (1986): Agropyron barbulatum.

subsp. *epiroticum* (Melderis) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986), without basionym ref. see Art. 33.3 ICBN 1983: Basionym not stated.

subsp. *gentryi* (Melderis) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986), without basionym ref. see Art. 33.3 ICBN 1983: Basionym not stated.

subsp. *graecum* (Melderis) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986), without basionym ref. see Art. 33.3 ICBN 1983: Basionym not stated.

subsp. *podperae* (Nabelek) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986), without basionym ref. see Art. 33.3 ICBN 1983: Basionym not stated.

subsp. *pouzolzii* (Godron) A. Löve in Taxon, 35(1): 198 (1986): Triticum pouzolzii.

subsp. *pulcherrimum* (Grossh.) A. Löve in Taxon, 35(1): 198 (1986): Agropyron pulcherrimum.

varnense (Velen.) A. Löve in Veröff. Geobot. Inst. Rübel, 87: 49 (1986): Triticum varnense.

**TRICHOSALPINX** (Orchidac.).

sect. *Apodae* C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 66 (1986).

sect. *Pseudolepanthes* C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 68 (1986).

**TRICHOSALPINX** :-

subgen. *Tubella* C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 66 (1986).

sect. *Tubellae* C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 68 (1986).

drosoides G. Carnevali F.C. & I. Ramírez de Carnevali in Ernstia, 42: 1 (1987)—Venezuela.

farrago C.A. Luer & A.C. Hirtz in Orchidee, 37(3): 141 (1986)—Ecuador.

greenwoodiana M.A. Soto Arenas in Orquidea (México), 10(2): 257 (1987)—Mexico, Salvador.

microlepanthes (Griseb.) C.A. Luer, Ic. Pleurothallid. I-Syst. Pleurothallidinae (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 68 (1986): Pleurothallis microlepanthes.

nageliana M.A. Soto Arenas in Orquidea (México), 10(2): 259 (1987)—Mexico.

spathuliglossa (Hoehne) C.A. Luer, Ic. Pleurothallid. III - Syst. Pleurothallis (Monogr. Syst. Bot. Missouri Bot. Gard. 20): 16 (1986): Pleurothallis spathuliglossa.

tamayoana M.A. Soto Arenas in Orquidea (México), 10(2): 264 (1987)—Mexico.

**TRICHOSANTHES** (Cucurbitac.).

cucumerina

subsp. *anguina* (L.) I. Grebenščikov in R. Mansfeld, Verz. Landwirtsch. u. Gartn. Kulturpfl., Auf. 2, ed. J. Schultze-Motel, 2: 928 (1986): Trichosanthos anguina.

dafangensis N.G. Ye & S.J. Li in Acta Phytotax. Sin., 26(6): 465 (1988), without type; et in Acta Phytotax. Sin., 27(2): 153 (1989), with type—China.

rosthornii

var. *multicirrata* (C.Y. Cheng & Yueh) S.K. Chen in Fl. Reipubl. Popul. Sin., 73(1): 244 (1986): T. multicirrata.

var. *scabrella* (Yueh & D.F. Gao) S.K. Chen in Fl. Reipubl. Popul. Sin., 73(1): 244 (1986): T. scabrella.

**TRICHOSTEPHANUS** (Flacourtiac.).

gabonensis F.J. Breteleur in Bull. Jard. Bot. Nation. Belg., 60(1-2): 143 (1990)—Gabon.

**TRICLICERAS** (Turnerac.).

xylophizum B. Verdcourt in Kew Bull., 45(2): 277 (1990)—Kenya.

**TRICORYNE** (Anthericac.).

anceps

subsp. *pterocaulon* (Baker) A. Thongpukdee in Fl. Australia, 45: 496 (1987): T. pterocaulon.

corynothecoides G.J. Keighery in Willdenowia, 15(2): 473 (1986)—Australia (W. Australia).

**TRICYRTIS** (Convallariac.).

esquirolii (Lév.) H. Hara in H. Ohba & S.B. Malla, Himalayan Pl., 1 (Univ. Mus. Univ. Tokyo Bull., 31): 206 (1988): Disporum esquirolii.

formosana

var. *grandiflora* S.S. Ying, Coloured Illustr. Fl. Taiwan, 3: 619 (1988)—Taiwan.

**TRIDACTYLE** (Orchidac.).

bicaudata

subsp. *rupestris* H.P. Linder in Kew Bull., 44(2): 318 (1989)—South Africa (Cape Province, Natal).

flabellata P.J. Cribb in Fl. Trop. E. Afr., Orchidac. (Part 3): 617 (1989)—Tanzania.

laurentii

var. *kabareensis* D. Geerinck in Bull. Jard. Bot. Nation. Belg., 60(1-2): 190 (1990)—Zaïre.

minuta P.J. Cribb in Fl. Trop. E. Afr., Orchidac. (Part 3): 612 (1989)—Tanzania.

vanderlaaniana D. Geerinck in Bull. Jard. Bot. Nation. Belg., 60(1-2): 190 (1990)—Zaïre.

virginica P.J. Cribb & la Croix in Fl. Trop. E. Afr., Orchidac. (Part 3): 614 (1989)—Malawi, Tanzania.

**TRIDAX** (Compos.).

hintonii (Turner & Powell) D.J. Keil, M.A. Luckow & D.J. Pinkava in Madroño, 34(4): 357 (1987 publ. 1988): Cymophora hintonii.

**TRIDAX** :-

oaxacana B.L. Turner in *Phytologia*, 65(2): 139 (1988)—Mexico.

**TRIDENS** (Gramin.).

nicorae A.M. Anton in *Kurtziana*, 10: 51 (1977)—Argentina.

**TRIEENEA** O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 489 (1988 publ. 1989). **SCROPHULARIACEAE**.

elsiae O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 489 (1988 publ. 1989)—South Africa (Cape Province).

frigida O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 489 (1988 publ. 1989)—South Africa (Cape Province).

glutinosa (Schltr.) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 489 (1988 publ. 1989): *Phyllopodium glutinosum*.

lanciloba O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 489 (1988 publ. 1989)—South Africa (Cape Province).

lasiocephala O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 490 (1988 publ. 1989)—South Africa (Cape Province).

laxiflora O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 490 (1988 publ. 1989)—South Africa (Cape Province).

longipedicellata O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 490 (1988 publ. 1989)—South Africa (Cape Province).

schlechteri (Hiern) O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 490 (1988 publ. 1989): *Phyllopodium schlechteri*.

taylorii O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 491 (1988 publ. 1989)—South Africa (Cape Province).

**TRIFOLIUM** (Legumin.).

ser. Agraria (Bobrov ex Hendrych) R. Hendrych in *Preshia*, 60(3): 229 (1988): *Chrysaspis* ser. Agrariae.

ser. Billardieria (Hendrych) R. Hendrych in *Preshia*, 60(3): 228 (1988): *Chrysaspis* ser. Billardieriae.

ser. Sebastiania (Bobrov ex Hendrych) R. Hendrych in *Preshia*, 60(3): 228 (1988): *Chrysaspis* ser. Sebastianiae.

andinum  
var. podocephalum R.C. Barneby in A. Cronquist et al., *Intermountain Fl.*, Vasc. Pl. Intermountain West, U.S.A., 3B: 217 (1989)—U.S.A. (Nevada).

banaticum (Heuffel) J. Majovsky in *Acta Fac. Rerum Nat. Univ. Comen.*, Bot., 35: 6 (1988): T. medium var. banaticum.

campestre C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 270 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Locality not stated.

creticum (L.) G.F. Hoffm., *Hort. Mosq.*: 39 (1808); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated.

egriissicum A.D. Mikheev & A.Yu. Magulaev in *Bot. Zhurn.*, 72(9): 1257 (1987)—U.S.S.R. (Caucasus).

gordeievii (Kom.) E. Small in *Taxon*, 36(3): 580 (1987): *Medicago gordeievii*.

gordeievii (Kom.) N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 330 (1989): *Medicago gordeievii*.

italicum (L.) G.F. Hoffm., *Hort. Mosq.*: 39 (1808); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): Basionym not stated.

lenkoranicum (Grossh.) Yu.R. Roskov in *Bot. Zhurn.*, 75(5): 719 (1990): T. pratense var. lenkoranicum.

macilentum  
var. dedeckeriae (J.M. Gillett) R.C. Barneby in A. Cronquist et al., *Intermountain Fl.*, Vasc. Pl. Intermountain West, U.S.A., 3B: 224 (1989): T. dedeckeriae.

var. rollinsii (J.M. Gillett) R.C. Barneby in A. Cronquist et al., *Intermountain Fl.*, Vasc. Pl. Intermountain West, U.S.A., 3B: 224 (1989): T. rollinsii.

pannonicum  
var. moldavicum A.T. Szabó in *Not. Bot. Horti Agrobot. Cluj-Napoca*, 17: 61 (1987)—U.S.S.R. (Moldavia).

piligerum (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 212 (1916–1920 publ. 1926): T. pignanii f. piligerum.

**TRIFOLIUM** :-

pratense

var. evariegatum M.Y. Liu & F.C. Wang in *J. Wuhan Bot. Res.*, 7(4): 324 (1989)—China.

var. variegatum M.Y. Liu & F.C. Wang in *J. Wuhan Bot. Res.*, 7(4): 324 (1989)—China.

wormskioldii

var. arizonicum (Greene) R.C. Barneby in A. Cronquist et al., *Intermountain Fl.*, Vasc. Pl. Intermountain West, U.S.A., 3B: 228 (1989): T. arizonicum.

wormskioldii

var. ortegae (Greene) R.C. Barneby in A. Cronquist et al., *Intermountain Fl.*, Vasc. Pl. Intermountain West, U.S.A., 3B: 228 (1989): T. ortegae.

xanthinoides (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 212 (1916–1920 publ. 1926): T. stellatum f. xanthinoides.

×**TRIGOLYCA** hort. in *Orchid Rev.*, 96(1134): centre page pull-out p. 9 (1988). **ORCHIDACEAE**. (Mormolyca × Trigonidium).

**TRIGONACHRAS** (Sapindac.).

celebensis P.W. Leenhouts in *Blumea*, 33(1): 211 (1988)—Celebes.

papuensis P.W. Leenhouts in *Blumea*, 33(1): 212 (1988)—New Guinea (Papua New Guinea), Louisiade Archipelago.

**TRIGONELLA** (Legumin.).

sect. Lopholobus (Boiss.) P. Lassen in *Willdenowia*, 16(2): 447 (1987): *Melilotus* sect. Lopholobus.

bicolor (Boiss. & Balansa) P. Lassen in *Willdenowia*, 16(2): 446 (1987): *Melilotus* bicolor.

brachycarpa (Fisch.) Moris, *Enum. Sem. Hort. Reg. Bot. Taur.*, 1831; *Flora 15 Lit.*, 2: 80 (1832); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984): Basionym not stated.

caerulea

subsp. procumbens (Bess.) I.T. Vasil'chenko in *Fl. Evropeiskoi Chasti SSSR*, 6: 186 (1987): *Melilotus* procumbens.

glabra

subsp. uncata (Boiss. & Noë) P. Lassen in *Willdenowia*, 16(2): 447 (1987): T. uncata.

**TRIGONIA** (Trigoniac.).

brasiliensis Jacob-Makoy, *Cat. Prix Cour. 1837*: 10 (1837); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated.

**TRIGONIODENDRON** E.F. Guimarães & J.R. Miguel in *Rev. Brasil. Biol.*, 47(4): 559 (1987). **TRIGONIAEAE**.

spiritusantense E.F. Guimarães & J.R. Miguel in *Rev. Brasil. Biol.*, 47(4): 559 (1987)—Brazil.

**TRIGONOCAPNOS** (Papaverac.).

lichtensteinii (Cham. & Schlecht.) M. Lidén in *Op. Bot.*, 88: 105 (1986): *Fumaria lichtensteinii*.

**TRIGONOSCIADIUM** (Umbellif.).

brachytaenium (Boiss.) R. Alava in *Fl. Iran.*, 162: 513 (1987): *Malabaila brachytaenia*.

lasiocarpum (Boiss.) R. Alava in *Fl. Iran.*, 162: 514 (1987): *Malabaila lasiocarpa*.

**TRIGONOSPERMUM** (Compos.).

stevensii S.D. Sundberg & T.F. Stuessy in *Ann. Missouri Bot. Gard.*, 77(2): 418 (1990)—Nicaragua, Guatemala.

**TRIGONOSTEMON** (Euphorbiac.).

chinensis

f. fungii (Merr.) Y.T. Chang in *Acta Phytotax. Sin.*, 27(2): 149 (1989): T. fungii.

filipes Y.T. Chang & X.L. Mo in *Acta Phytotax. Sin.*, 27(2): 149 (1989)—China.

**TRIGONOTIS** (Boraginac.).

chengkouensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 81 (1986)—China.

corispermoides

var. sessilis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 81 (1986)—China.

**TRIGONOTIS** :-

laxa

var. xichouensis (H. Chuang) C.J. Wang in *Fl. Reipubl. Popul. Sin.*, 64(2): 97 (1989): T. xichouensis.

leucantha W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 87 (1986)—China.

longipes W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 85 (1986)—China.

longiramosa W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 83 (1986)—China.

muliensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 84 (1986)—China.

peduncularis

var. amblyosepala (Nakai & Kitag.) W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 90 (1986): T. amblyosepala.

var. macrantha W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(3): 89 (1986)—China, Xizang.

**TRIKERAIA** (Gramin.).

oreophila T.A. Cope in *Kew Bull.*, 42(2): 350 (1987)—Bhutan, Xizang.

pappiformis (Keng) P.C. Kuo & S.L. Lu in *Fl. Xizangica*, 5: 261 (1987), without basionym ref.: *Stipa pappiformis*.

pappiformis (Keng) P.C. Kuo & S.L. Lu ex J.L. Yang in *Fl. Sichuanica*, 5(2): 197 (1988): *Stipa pappiformis*.

**TRILLIUM** (Trilliace.).

recurvatum

f. esepalum J.D. Freeman & T.E. Heineke in *Rhodora*, 89(857): 17 (1987)—U.S.A. (Tennessee).

taiwanense S.S. Ying in *J. Jap. Bot.*, 64(5): 154 (1989)—Taiwan.

**TRIMENIA** (Trimeniac.).

macrura (Gilg & Schltr.) W.R. Philipson in *Fl. Males.*, 10(2): 332 (1986): *Piptocalyx macrurus*.

moorei (Oliv.) W.R. Philipson in *Fl. Males.*, 10(2): 330 (1986): *Piptocalyx moorei*.

**TRIMEZIA** (Iridac.).

sect. Calolirion P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 15 (1988).

sect. Juncella P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 15 (1988).

sect. Neomarica (Sprag.) P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 14 (1988), without basionym page: gen. Neomarica.

sect. Platyella P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 15 (1988).

bauensis P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 9 (1988)—Brazil.

bicolor P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 5 (1988)—Brazil.

caerulea  
subsp. eximia P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 13 (1988)—Brazil.

subsp. rigida P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 13 (1988)—Brazil.

caeteana P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 7 (1988)—Brazil.

capitellata P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 2 (1988)—Brazil.

concinna P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 6 (1988)—Brazil.

cristaliensis P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 1 (1988)—Brazil.

fibrosa P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 5 (1988)—Brazil.

fluminensis P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 10 (1988)—Brazil.

itamarajuensis P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 3 (1988)—Brazil.

juncifolia  
subsp. aurantiaca P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 12 (1988)—Brazil.

subsp. cristallicola P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 11 (1988)—Brazil.

subsp. diamantinensis P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 11 (1988)—Brazil.

subsp. parviflora P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 12 (1988)—Brazil.

**TRIMEZIA** :-

- subsp. speciosa* P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 10 (1988)—Brazil.  
*nitida* P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 8 (1988)—Brazil.  
*paradoxa* P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 4 (1988)—Brazil.  
*portosecurensis* P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 7 (1988)—Brazil.  
*rotundata* P. Ravenna in *Onira, Bot. Leaflet*, 1(1): 2 (1988)—Brazil.

**TRIMORPHA** (Compos.).

- acris*  
*var. asteroides* (Andrz. ex Besser) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron asteroides*.  
*var. debilis* (A. Gray) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron acris* var. *debilis*.  
*var. kamtschatica* (DC.) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron kamtschaticus*.  
*elata* (Hook.) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron alpinus* γ *elatus*.  
*lonchophylla* (Hook.) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron lonchophyllus*.  
*scotteri* (B. Boivin) G.L. Nesom in *Phytologia*, 67(1): 64 (1989): *Erigeron scotteri*.

**TRINIA** (Umbellif.).

- glauca*  
*subsp. pindica* P. Hartvig in A. Strid (ed.), *Mount. Fl. Greece*, 1: 694 (1986)—Greece, Albania.

**TRIPHORA** (Orchidac.).

- miserrima* (Cogn.) J. Acuña Galé, *Cat. Descr. Orquideas Cubanas* (Bol. Estac. Exper. Agron. Santiago de la Vegas, 60): 18 (1938 publ. 1939), as "Thiphora miserrima": *Pogonia miserrima*.

**TRIPLARIS** (Polygonac.).

- mato-grossensis* J. Brandbyge in *Nordic J. Bot.*, 10(2): 158 (1990)—Brazil.  
*melaenodendron*  
*subsp. colombiana* (Meisner) J. Brandbyge in *Nordic J. Bot.*, 6(5): 566 (1986): T. colombiana.  
*setosa*  
*var. woytkowskii* J. Brandbyge in *Nordic J. Bot.*, 6(5): 561 (1986)—Peru.

**TRIPLEUROSPERMUM** (Compos.).

- anchialense* M. Král in *Preslia*, 62(1): 41 (1990)—Bulgaria.  
*caucasicum*  
*var. melanolepis* (Boiss. & Buhse) D. Podlech in *Fl. Iran.*, 158: 75 (1986): *Chamaemelum melanolepis*.  
*perforatum* (Mérat) G. Wagenitz in G. Hegi, *Illustr. Fl. Mitteleur.*, ed. 2, 6(4): 1356 (1987): *Matricaria perforata*.  
*philaenorum* (Maire & Weiller) S.A. Alavi in *Fl. Libya*, 107: 148 (1983): *Heteromera philaenorum*.

- × **TRIPLEUROTHEMIS** C.A. Stace in *Watsonia*, 18(2): 212 (1990). **COMPOSITAE**. (*Anthemis* × *Tripleurospermum*).  
*maleolens* (P. Fourn.) C.A. Stace in *Watsonia*, 18(2): 212 (1990): × *Anthemimatricaria maleolens*.

**TRIPODION** (Legumin.).

- graecum* (Boiss.) P. Lassen in *Willdenowia*, 16(1): 114 (1986): *Hammatolobium graecum*.  
*kremerianum* (Cosson) P. Lassen in *Willdenowia*, 16(1): 114 (1986): *Ludovicica kremeriana*.

**TRIOGON** (Gramin.).

- anantaswamianus* P.V. Sreekumar, V.J. Nair & N.C. Nair in *Bull. Bot. Surv. India*, 25(1-4): 185 (1983 publ. 1985)—India.  
*chinensis*  
*subsp. corensis* (Hackel) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 532 (1987): T. chinensis var. *corensis*.  
*longearistatus*  
*subsp. japonicus* (Honda) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 532 (1987): T. longearistatus var. *japonicus*.

**TRIPTEROSPERMUM** (Gentianac.).

- sect. Capsulifera* J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 286 (1989).  
*alutaceofolium* (T.S. Liu & C.C. Kuo) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 301 (1989): T. taiwanense var. *alutaceofolium*.  
*australe* J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 300 (1989)—China, Vietnam.  
*cordifolioides* J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 299 (1989)—China.  
*distylum* J. Murata & T. Yahara in *Acta Phytotax. Geobot.*, 36(4-6): 162 (1985)—Japan.  
*involutum* N. Yonezawa in *J. Phytogeogr. Taxon.*, 36(1): 9 (1988)—Japan.  
*luteoviride* (C.B. Clarke) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 303 (1989): *Crawfordia luteoviridis*.  
*luzonense* (Vidal) J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 305 (1989): *Crawfordia luzonensis*.  
*sumatranum* J. Murata in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(4): 298 (1989)—Sumatra.

**TRISETELLA** (Orchidac.).

- subsect. Calvicaulis* C.A. Luer, *IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 72 (1989).  
*sect. Fissura* C.A. Luer, *IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 71 (1989).  
*andreettae* C.A. Luer in *Lindleyana*, 1(3): 186 (1986)—Ecuador.  
*cordeliae* C.A. Luer, *IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 80 (1989)—Peru.  
*escobarii* C.A. Luer in *Lindleyana*, 1(3): 188 (1986)—Colombia.  
*fissidens* C.A. Luer & Hirtz in *C.A. Luer, IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 88 (1989)—Ecuador.  
*hirtzii* C.A. Luer in *Lindleyana*, 1(3): 190 (1986)—Ecuador.  
*hoeijeri* C.A. Luer & Hirtz in *Lindleyana*, 1(3): 192 (1986)—Ecuador.  
*nodulifera* C.A. Luer & Hirtz in *C.A. Luer, IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 96 (1989)—Ecuador, Peru.  
*sororia* C.A. Luer & Andreetta in *C.A. Luer, IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 104 (1989)—Ecuador.  
*strumosa* C.A. Luer & Andreetta in *C.A. Luer, IC. Pleurothallid. VI* (Monogr. Syst. Bot. Missouri Bot. Gard. 31): 106 (1989)—Ecuador.

**TRISETUM** (Gramin.).

- ambiguum* Z.E. Rugolo de Agrasar & E.G. Nicora in *Bol. Soc. Argent. Bot.*, 25(3-4): 468 (1988)—Argentina.  
*bifidum*  
*subsp. sibiricum* (Ruprecht) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 533 (1987): T. sibiricum.  
*debile* J. Chrtek in *Folia Geobot. Phytotax.*, 25(3): 334 (1990)—China.  
*flavescens*  
*subsp. baregense* (Laffitte & Miég. ex Miég.) O. de Bolòs, R.M. Masalles & J. Vigo in *Collect. Bot.*, 17(1): 96 (1987 publ. 1988): T. baregense.  
*kochianum* I. Hernández Torres in *Phytologia*, 61(7): 454 (1987), nom. nov.: *Deschampsia pringlei Scribn.*  
*lautum* J. Chrtek in *Folia Geobot. Phytotax.*, 25(3): 333 (1990)—China.  
*longifolium* Nees, *Ind. Sem. Hort. Bot. Bratislav.*, 1835: *Linnaea* 11, Lit.: 131 (1837); cf. D.J. Mabberley in *Taxon*, 32(1): 86 (1983)—Locality not stated.  
*tibeticum* P.C. Kuo & Z.L. Wu in *Fl. Xizangica*, 5: 188 (1987)—Xizang.  
*yunnanense* J. Chrtek in *Folia Geobot. Phytotax.*, 25(3): 335 (1990)—China.

**TRISTEMMA** (Melastomatac.).

- vestitum* H. Jacques-Félix in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(2): 191 (1986)—Gabon.

**TRISTERIX** (Loranthac.).

- subgen. Metastachys* (Benth) J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 25 (1988): *Loranthus* subsect. *Metastachys*.  
*chodatianus* (Patschovsky) J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 25 (1988): *Phrygilanthus chodatianus*.  
*corymbosus* (L.) J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 20 (1988): *Lonicera corymbosa*.  
*penduliflorus* J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 49 (1988)—Bolivia, Peru.  
*peruvianus* (Patschovsky) J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 40 (1988): *Phrygilanthus peruvianus*.  
*peytonii* J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 28 (1988)—Peru.  
*pubescens* J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 36 (1988)—Peru.  
*secundus* (Benth) J. Kuijt, *Revis. Tristerix* (Loranthac.) (Syst. Bot. Monog., 19): 42 (1988): *Loranthus secundus*.

**TRISTICHA** (Podostemac.).

- australis* C. Cusset & G. Cusset in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 171 (1988)—Australia.

*trifaria*

- subsp. pulchella* (Weddell) C. Cusset & G. Cusset in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 171 (1988): T. hypnoides var. β *pulchella*.  
*subsp. tlatlayana* (Matuda) C. Cusset & G. Cusset in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 10(2): 171 (1988): T. tlatlayana.

- × **TRITICOSECALE** Wittmack ex A. Camus in *Bull. Mus. Nation. Hist. Nat. Paris*, 33: 539 (1927); cf. C.A. Stace in *Taxon*, 36: 447 (1987). **GRAMINEAE**. (Sicale × *Triticum*).

**TRITICUM** (Gramin.).

- aestivum*  
*var. ramosalborubrum* R.A. Udachin & M.V. Novikova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 127: 147 (1989)—Cultivation.  
*var. ramosomiliturum* R.A. Udachin & M.V. Novikova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 127: 147 (1989)—Cultivation.  
*var. uralicum* L.V. Semenova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 117: 127 (1988)—Cultivation.  
*var. vavilovianum* R.A. Udachin & I.Sh. Shakhmedov in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 117: 129 (1988)—Cultivation.  
*var. vigorovii* L.V. Semenova in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 117: 127 (1988)—Cultivation.  
*durum*  
*var. sphaeroaffine* P. Popov & I. Stankov in *Dokl. Bolg. Akad. Nauk*, 34(12): 1699 (1981), without type—Cultivation.  
*var. sphaeroafricanum* P. Popov & I. Stankov in *Dokl. Bolg. Akad. Nauk*, 34(12): 1670 (1981), without type—Cultivation.  
*var. sphaeroleucurum* P. Popov & I. Stankov in *Dokl. Bolg. Akad. Nauk*, 34(12): 1699 (1981), without type—Cultivation.  
*var. sphaeromelanopus* P. Popov & I. Stankov in *Dokl. Bolg. Akad. Nauk*, 34(12): 1699 (1981), without type—Cultivation.  
*phoenicoides* (L.) Brotero, *Fl. Lusit.*, 1: 121 (1804): *Festuca phoenicoides*.  
*ramosum* Weigel, *Hort. Gryph.*: 10 (1782); cf. D.J. Mabberley in *Taxon*, 33(3): 443 (1984)—Locality not stated.  
 × *teres* H.R. Jiang & X.X. Kong in *Acta Bot. Bor.-Occid. Sin.*, 6(3): 206 (1986)—Cultivation. (T.tauschii × *urartu*).  
*turanicum*  
*var. quasintabile* R.A. Udachin & S.A. Potokina in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 117: 128 (1988)—Cultivation.  
*vavilovii*  
*var. lorenze* S.Kh. Galstyan-Avanesyan in *Biol. Zhurn. Arm.*, 39(6): 522 (1986)—Cultivation.

**TRITICUM**:-

- var. ramocoeruleum* S.Kh. *Galstyan-Avanesyan in Biol. Zhurn. Arm.*, 39(6): 522 (1986)—Cultivation.
- var. ramomuticum* S.Kh. *Galstyan-Avanesyan in Biol. Zhurn. Arm.*, 39(6): 521 (1986)—Cultivation.
- var. sisianicum* S.Kh. *Galstyan-Avanesyan in Biol. Zhurn. Arm.*, 39(6): 521 (1986)—Cultivation.

- ×**TRITIHAYNALDIA** J. Fu & S.Y. Chen in *Acta Bot. Bor.-Occid. Sin.*, 10(1): 67 (1990). GRAMINEAE. (Haynaldia × Triticum).
- hexaploidea J. Fu & S.Y. Chen in *Acta Bot. Bor.-Occid. Sin.*, 10(1): 67 (1990), without latin descr.—Cultivation.
- octoploidea J. Fu & S.Y. Chen in *Acta Bot. Bor.-Occid. Sin.*, 10(1): 68 (1990), without latin descr.—Cultivation.

**TRIUMFETTA** (Tiliac.).

- malebarica Koen. ex Rottb., *Pl. Hort. Univ. Rar. Prog.*: 16 (1773); cf. D.J. Mabberley in *Taxon*, 33(3): 439 (1984)—Locality not stated.
- procumbens
- var. repens* (Bl.) S. Hatusima in *J. Phytogeogr. Taxon.*, 35(2): 65 (1987): Porpa repens.
- trilocularis Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 140 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.

**TRIUNIA** (Proteac.).

- erythrocarpa D.B. Foreman in *Muelleria*, 6(5): 302 (1987)—Australia (Queensland).
- montana (C. White) D.B. Foreman in *Muelleria*, 6(3-4): 195 (1986): Helicia youngiana *var. montana*.
- robusta (C. White) D.B. Foreman in *Muelleria*, 6(3-4): 196 (1986): Helicia youngiana *var. robusta*.

**TRIURIS** (Triuridac.).

- hexophthalma P.J.M. Maas in *Fl. Neotrop.*, 40: 50 (1986)—Guyana.

**TRIXIS** (Compos.).

- anomala B.L. Turner in *Phytologia*, 68(6): 435 (1990)—Mexico.

**TROCHODENDRON** (Trochodendrac.).

- aralioides P.F. Siebold & J.G. Zuccarini, *Fl. Japonica*, 1: 84, t. 39 & 40 (1839)—Japan.†

**TROGLOPHYTON** (Compos.).

- acocksianum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 42 (1983)—South Africa (Cape Province).
- capillaceum
- subsp. diffusum* (DC.) O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 40 (1983): Helichrysum capillaceum *var. diffusum*.
- elsiae O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 40 (1983)—South Africa (Cape Province).
- leptomerum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 45 (1983)—South Africa (Cape Province).
- tenellum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 44 (1983)—South Africa (Cape Province).

**TROLLIUS** (Ranunculac.).

- subsect. Acaules* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 97 (1990).
- subsect. Afghani* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 97 (1990).
- subsect. Laxi* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 97 (1990).
- ser. Macropetali* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 97 (1990).
- ser. Pumili* M. Tamura in *Acta Phytotax. Geobot.*, 41(1-3): 97 (1990).

**TROPHIS** (Morac.).

- sect. Echinocarpa* C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 353 (1988).
- sect. Malaisia* (Blanco) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 354 (1988): gen. Malaisia.
- sect. Olmedia* (Ruiz & Pavón) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 354 (1988): gen. Olmedia.

**TROPHIS**:-

- borbonica (Duchartre) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 355 (1988): Maillardia borbonica.
- caucana (Pittier) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 354 (1988): Olmedia caucana.
- montana (Lénadri) C.C. Berg in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(4): 355 (1988): Maillardia montana.

**TRUDELLIA** L.A. Garay in *Orchid Dig.*, 50(2): 73 (1986). ORCHIDACEAE.

- alpina (Lindl.) L.A. Garay in *Orchid Dig.*, 50(2): 76 (1986): Luisia alpina.
- chlorosantha L.A. Garay in *Orchid Dig.*, 50(2): 76 (1986)—Bhutan.
- cristata (Lindl.) K. Senghas in *Schlechter Orchideen*, 1(19-20): 1211 (1988), with incorrect basionym ref.: Vanda cristata.
- griffithii (Lindl.) L.A. Garay in *Orchid Dig.*, 50(2): 76 (1986): Vanda griffithii.
- pumila (Hook. f.) K. Senghas in *Schlechter Orchideen*, 1(19-20): 1211 (1988): Vanda pumila.

×**TRUDELIANDA** L.A. Garay in *Orchid Dig.*, 50(2): 76 (1986). ORCHIDACEAE. (Trudelia × Vanda).**TRUELLUM** (Polygonac.).

- sect. Dissitiflora* (Nakai) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987): Persicaria *sect. Dissitiflorae*.
- sect. Echinocaulon* (Meissn.) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987): Polygonum *sect. Echinocaulon*.
- dissitiflorum (Hemsley) N.N. Tsvelev in *Novosti Sist. Vyssh. Rast.*, 24: 76 (1987): Polygonum dissitiflorum.

**TRUKIA** (Rubiace.).

- dryadum (S. Moore) F.R. Fosberg in *Phytologia*, 62(3): 175 (1987): Gardenia dryadum.
- fitzalanii (F. Muell.) F.R. Fosberg in *Phytologia*, 62(3): 175 (1987): Gardenia fitzalanii.
- macarthurii (F. Muell.) F.R. Fosberg in *Phytologia*, 62(3): 176 (1987): Randia macarthurii.
- tahitensis (Nadeaud) F.R. Fosberg in *Phytologia*, 62(3): 174 (1987): Randia tahitensis.

**TSIANGIA** P.P.H. But, H.H. Hsue & P.T. Li in *Blumea*, 31(2): 311 (1986). RUBIACEAE.

- hongkongensis (Seem.) P.P.H. But, H.H. Hsue & P.T. Li in *Blumea*, 31(2): 311 (1986): Gaertnera hongkongensis.

**TSUGA** (Pinac.).

- chinensis
- var. forrestii* (Downie) J. Silba in *Phytologia*, 68(1): 72 (1990): T. forrestii.
- dumosa
- var. yunnanensis* (Franchet) J. Silba in *Phytologia*, 68(1): 73 (1990): Abies yunnanensis.
- mertensiana
- subsp. grandiconica* A. Farjon in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(1): 39 (1988)—U.S.A. (California, Nevada).

**TUBERARIA** (Cistac.).

- glomerata Willk., *Ik. Pl. Hisp.*, 2: 80, t. 117 (1859)—Algeria.†

**TUBEROLABIUM** (Orchidac.).

- carnosum G. Seidenfaden in *Op. Bot.*, 95: 327 (1988)—Thailand.
- elobe (Seidenf.) G. Seidenfaden in *Op. Bot.*, 95: 327 (1988): Pteroceras elobe.
- papuanum (Schltr.) J.J. Wood ex B. Lewis & P. Cribb, *Orchids of Vanuatu*: 150 (1989): Saccolabium papuanum.

**TULIPA** (Liliac.).

- agenensis
- subsp. sharonensis* (Dinsmore) N. Feinbrun-Dothan, *Fl. Palaestina*, 4: 41 (1986): T. sharonensis.
- grey-wilsonii K.H. Rechinger in *Fl. Iran.*, 165: 87 (1970)—Afghanistan.
- harazensis K.H. Rechinger in *Fl. Iran.*, 165: 91 (1990)—Iran.

**TULIPA**:-

- hungarica
- subsp. undulatifolia* (Roman) N. Roman & A. Beldie in *Fl. Republ. Social. Român.*, 13: 52 (1976): T. hungarica *var. undulatifolia*.
- lehmanniana Mercklin in A. Bunge, *Beitr. Fl. Russl.*: 337 (1852)—U.S.S.R. (Middle Asia).†
- montana
- var. chrysantha* (Boiss.) Wendelbo ex K.H. Rechinger in *Fl. Iran.*, 165: 90 (1990): T. chrysantha.
- oreophila K.H. Rechinger in *Fl. Iran.*, 165: 86 (1990)—Afghanistan.
- persica (Lindl.) Sweet, *Hort. Brit.*, ed. 2: 536 (1830); cf. D.J. Mabberley in *Taxon*, 31(1): 72 (1982): T. oculus-solis *var. persica*.
- sogdiana A. Bunge, *Beitr. Fl. Russl.*: 338 (1852)—U.S.S.R. (Middle Asia).†
- subpraestans A.I. Vvedenskii in *Opred. Rast. Sred. Azii*, 2: 318 (1971), as 'subpraestans' in I.K. Supp. 16 in error—U.S.S.R. (Middle Asia).†

**TUPISTRA** (Convallariac.).

- heensis Y. Wan & X.H. Lu in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 81 (1987)—China.
- verruculosa Q.H. Chen in *Acta Phytotax. Sin.*, 25(1): 69 (1987)—China.

**TURANIPHYTUM** (Compos.).

- codringtonii (Rech. f.) D. Podlech in *Fl. Iran.*, 158: 225 (1986): Artemisia codringtonii.

**TURBINICARPUS** (Cactac.).

- gielsdorfianus (Werderm.) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Echinocactus gielsdorfianus.
- horripilus (Lem.) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Mammillaria horripila.
- knuthianus (Böd.) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Echinocactus knuthianus.
- krainzianus
- f. minima* G. Frank in *Succulenta*, 68(2): 40 (1989), without type—Mexico.
- f. minimus* G. Frank in *Succulenta*, 68(12): 272 (1989), with type, as 'minima'—Mexico.
- var. minimus* (Frank) L. Diers in *Succulenta*, 69(12): 269 (1990): T. krainzianus *f. minima*.
- saueri (Böd.) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Echinocactus saueri.
- swoboda L. Diers in *Kakt. And. Sukk.*, 38(4): 90 (1987)—Mexico.
- viereckii (Werderm.) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Echinocactus viereckii.
- var. major* (Glass & Foster) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Gymnocactus viereckii *var. major*.
- ysabelae (K. Schlange) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Thelocactus ysabelae.
- var. brevispinus* (K. Schlange) John & Riha in *Kaktusy*, 19(1): 22 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985): Thelocactus ysabelae *var. brevispinus*.

**TURNERA** (Turnerac.).

- annectens M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 340 (1990)—Venezuela.
- argentea M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 342 (1990)—Venezuela.
- castilloi M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 344 (1990)—Venezuela.
- cicatricosa M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 346 (1990)—Venezuela, Guyana.
- concinna M.M. Arbo in *Candollea*, 41(1): 209 (1986)—Paraguay, Bolivia, Brazil.
- huberi M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 347 (1990)—Venezuela.
- paruana M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 348 (1990)—Venezuela.
- steyermarkii M.M. Arbo in *Ann. Missouri Bot. Gard.*, 77(2): 349 (1990)—Venezuela, Brazil.



**TURRAEA** (Meliac.).

- sect. *Nurmonia* (Harms) F. White in *Bothalia*, 16(2): 151 (1986), without exact basionym page: gen. *Nurmonia*.  
*barbata* B.T. Styles & F. White in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 257 (1989)—Kenya.  
*cornucopia* B.T. Styles & F. White in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 257 (1989)—Kenya.  
*kimboensis* M. Cheek in *Kew Bull.*, 44(3): 465 (1989)—Tanzania.  
*kokwaroana* B.T. Styles & F. White in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 258 (1989)—Kenya.  
*leroyana* M. Cheek in *Kew Bull.*, 45(4): 711 (1990)—Madagascar.  
*mombassana*  
     *subsp. cuneata* (Gürke) B.T. Styles & F. White in *Bull. Jard. Bot. Nation. Belg.*, 59(1-2): 258 (1989); T. *cuneata*.  
*streyi* F. White & B.T. Styles in *Bothalia*, 16(2): 153 (1986)—South Africa (Natal).

**TURRILLIA** A.C. Smith in *Fl. Vitiensis Nova*, 3: 753 (1985). **PROTEACEAE**.

- bleasdalei* (F. v. Muell.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 754 (1985); *Grevillea bleasdalei*.  
*ferruginea* (A.C. Sm.) A.C. Smith in *Fl. Vitiensis Nova*, 3: 757 (1985); *Kermadecia ferruginea*.  
*lutea* (Guillaumin) A.C. Smith in *Fl. Vitiensis Nova*, 3: 754 (1985); *Kermadecia lutea*.  
*papuana* (Diels) A.C. Smith in *Fl. Vitiensis Nova*, 3: 754 (1985); *Euplassa papuana*.  
*vitiensis* (Turrill) A.C. Smith in *Fl. Vitiensis Nova*, 3: 755 (1985); *Kermadecia vitiensis*.

**TURUKHANIA** (Legumin.).

- ruthenica* (L.) N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 321 (1989); *Trigonella ruthenica*.  
*schischkini* (Vass.) N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 319 (1989); *Trigonella schischkini*.

**TUXTLA** J.L. Villaseñor & J.L. Strother in *Syst. Bot.*, 14(4): 537 (1989). **COMPOSITAE**.

- pittieri* (Greenman) J.L. Villaseñor & J.L. Strother in *Syst. Bot.*, 14(4): 537 (1989); *Zexmenia pittieri*.

**TWEEDIA** (Asclepiadac.).

- andina* (Phil.) G.H. Rua in *Parodiana*, 5(2): 406 (1989); *Oxypetalum andinum*.  
*aucaensis* G.H. Rua in *Darwiniana*, 27(1-4): 503 (1986)—Argentina.

**TYLANTHERA** C. Hansen in *Nordic J. Bot.*, 9(6): 632 (1990). **MELASTOMATACEAE**.

- cordata* C. Hansen in *Nordic J. Bot.*, 9(6): 634 (1990)—Thailand.  
*tuberosa* C. Hansen in *Nordic J. Bot.*, 9(6): 634 (1990)—Thailand.

**TYLANTHUS** (Rhamn.).

- acerosus* (Willd.) Endl., *Cat. Horti Vindob.*, 2: 386 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984); Basionym not stated.  
*ericoides* (L.) Endl., *Cat. Horti Vindob.*, 2: 386 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984); *Phyllica ericoides*.

**TYLECODON** (Crassulac.).

- albiflorus* P. Bruyns in *S. Afr. J. Bot.*, 55(3): 333 (1989)—South Africa (Cape Province).  
*atropurpureus* P. Bruyns in *S. Afr. J. Bot.*, 55(3): 332 (1989)—South Africa (Cape Province).  
*bayeri* E. van Jaarsveld in *Flow. Pl. Afr.*, 50(2): 31 (1988)—South Africa (Cape Province).  
*cremnophilus* P. Bruyns in *S. Afr. J. Bot.*, 56(1): 130 (1990), see also *S. Afr. J. Bot.*, 56(4): 506 (1990)—South Africa (Cape Province).  
*ellaphieae* E.J. van Jaarsveld in *Flow. Pl. Afr.*, 50(2): t. 1983 (1989)—South Africa (Cape Province).  
×*fergusoniae* (L. Bolus) G.D. Rowley in *Kakt. And. Sukk.*, 41(12): 282 (1990); *Cotyledon fergusoniae*.  
*papillaris*  
     *subsp. ecklonianus* (Harvey) G.D. Rowley in *Kakt. And. Sukk.*, 41(12): 282 (1990); *Cotyledon eckloniana*.

**TYLECODON** :-

- subsp. wallichii* (Harvey) G.D. Rowley in *Kakt. And. Sukk.*, 41(12): 282 (1990); *Cotyledon wallichii*.  
*pusillus* P. Bruyns in *S. Afr. J. Bot.*, 55(3): 335 (1989)—South Africa (Cape Province).  
*sulphureus*  
     *var. armianus* E.J. van Jaarsveld in *Flow. Pl. Afr.*, 50(2): t. 1984 (1989)—South Africa (Cape Province).

**TYLERIA** (Ochnac.).

- apiculata* C. Sastre in *Phytologia*, 59(5): 313 (21 February 1986); et in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(1): 14 (8 July 1986); see *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(2): 124 (1987)—Venezuela.

**TYLOPHORA** (Asclepiadac.).

- nana*  
     *var. gansuensis* L.C. Wang & X.G. Sun in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(4): 46 (1990), with two types cited—China.  
*tetrapetala* (Dennst.) C.R. Suresh in *D.H. Nicolson, C.R. Suresh & K.S. Manilal, Interpret. Van Rhee's Hort. Malab.*: 64 (1988); *Asclepias tetrapetala*.

**TYPHA** (Typhac.).

- domingensis*  
     *var. sachetiae* F.R. Fosberg in *Bot. Bull. Acad. Sin.*, 30(3): 220 (1989)—Society Is.  
*salgirica* A.N. Krasnova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 125 (1975 publ. 1976)—U.S.S.R. (Crimea).  
×*suwensis* T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989)—Japan. (T. *latifolia* × *orientalis*).

**TYPHONIUM** (Arac.).

- albispalum* J. Bogner in *Aroideana*, 10(2): 27 (1987)—Thailand.

**TZVELEVIA** E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 90(5): 103 (1985). **GRAMINEAE**.

- kergeuensis* (Hook. f.) E.B. Alekseev in *Byull. Mosk. Obshch. Ispyt. Priir., Biol.*, 90(5): 103 (1985); *Triodia kergeuensis*.

## U

**ULEX** (Legumin.).

- baeticus*  
     *subsp. scaber* (G. Kunze) P. Cubas in *Lagascalia*, 14(1): 140 (1986); U. *scaber*.  
*borgiae* S. Rivas Martínez in *Lagascalia*, 14(1): 140 (1986)—Spain.  
*cantabricus* M.J. Alvarez Martínez, M.A. Fernández Casado, J.A. Fernández Prieto, H.S. Nava Fernández & M.L. Vera de la Puente in *Candollea*, 43(2): 493 (1988)—Spain.  
*parviflorus*  
     *subsp. africanus* (Webb) W. Greuter in *Willdenowia*, 15(2): 429 (1986); U. *africanus*.

**ULMUS** (Ulmac.).

- harbinensis* S.Q. Nie & G.Q. Huang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 151 (1987)—China.  
*japonica*  
     *var. suberosa* (Turcz.) S.D. Zhao in *Fl. Liaoningica, chief ed. S.X. Li*, 1: 268 (1988); U. *pumila* var. *suberosa*.  
*macrocarpa*  
     *var. glabra* S.Q. Nie & G.Q. Huang in *Bull. Bot. Res. North-East. Forest. Inst.*, 7(1): 153 (1987)—China.  
×*mesocarpa* M. Kim & S. Lee in *Korean J. Pl. Taxon.*, 19(1): 44 (1989), contrary to Art. H.5.2 ICBN (1988)—Korea. (U.  *davidiana* var. *japonica* × *macrocarpa*).

**ULMUS** :-

- minor*  
     *subsp. angustifolia* (Weston) C.A. Stace in *Watsonia*, 17(4): 442 (1989); U. *campestris* var. *angustifolia*.  
*subsp. sarniensis* (Loudon) C.A. Stace in *Watsonia*, 17(4): 442 (1989); U. *campestris* var. *sarniensis*.  
*subsp. sarniensis* (C. Schneider) C.A. Stace in *Watsonia*, 18(2): 212 (1990); U. *glabra* f. *sarniensis*.  
*pumila*  
     *var. sabulosa* J.H. Guo, Y.S. Li & J.H. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(1): 107 (1988)—China.

**UNIOLA** (Gramin.).

- peruviana* S. Laegaard & I. Sánchez Vega in *Nordic J. Bot.*, 10(4): 439 (1990)—Peru.

**UNONOPSIS** (Annonac.).

- aviceps* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 272 (1986)—Colombia.  
*macrocarpa* P.J.M. Maas & A.K. van Setten in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 91(3): 265 (1988)—Panama, ?Colombia.  
*theobromifolia* N. Zamora V. & L.J. Poveda A. in *Phytologia*, 64(5): 399 (1988)—Costa Rica.  
*velutina* P.J.M. Maas in *Proc. Kon. Nederl. Akad. Wetensch.*, C, 89(3): 275 (1986)—Venezuela.

**URARIA** (Legumin.).

- poilanei* P. Dy Phon in *Fl. Cambodge, Laos & Vietnam*, 23: 109 (1987)—Laos, Thailand.

**URBANODENDRON** (Laurac.).

- bahiense* (Meissn.) J.G. Rohwer in *Bot. Jahrb.*, 110(2): 166 (1988); *Mespilodaphne bahiensis*.  
*macrophyllum* J.G. Rohwer in *Bot. Jahrb.*, 110(2): 166 (1988)—Brazil.

**URENA** (Malvac.).

- armitiana*  
     *var. spenceri* (Ewart) P.A. Fryxell & L.A. Craven in *Austral. Syst. Bot.*, 2(4): 457 (1989); *Hibiscus spenceri*.  
*australiensis* P.A. Fryxell & L.A. Craven in *Austral. Syst. Bot.*, 2(4): 457 (1989)—Australia (N. Terr.).

**URERA** (Urticac.).

- nitida* (Vellozo) P. Brack in *Napaea, Rev. Bot.*, 1: 7 (1987); *Urtica nitida*.  
*trinervis* (Hochst.) I. Friis & K. Immelman in *Nordic J. Bot.*, 7(2): 126 (1987); *Elatostema trinerve*.

**URGINEA** (Hyacinthac.).

- nana* S.O. Oyewole in *Ann. Missouri Bot. Gard.*, 76(2): 623 (1989)—Nigeria.  
*rajii* (Ansari) D.B. Deb & S. Dasgupta in *J. Bombay Nat. Hist. Soc.*, 84(2): 412 (1987 publ. 1988); *Drimia rajii*.

**UROCARPIDIUM** (Malvac.).

- stipulatum* P.A. Fryxell in *Contrib. Univ. Mich. Herb.*, 17: 168 (1990)—Peru.

**UROCHLOA** (Gramin.).

- adspersa* (Trin.) R.D. Webster in *Syst. Bot.*, 13(4): 607 (1988); *Panicum adspersum*.  
*advena* (Vick.) R.D. Webster, *Australian Paniceae* (Poac.): 231 (1987); *Brachiaria advena*.  
*atrisola* R.D. Webster, *Australian Paniceae* (Poac.): 232 (1987)—Australia (N. Terr., Queensland).  
*brizantha* (A. Rich.) R.D. Webster, *Australian Paniceae* (Poac.): 233 (1987); *Panicum brizanthum*.  
*ciliatissima* (Buckley) R.D. Webster in *Syst. Bot.*, 13(4): 606 (1988); *Panicum ciliatissimum*.  
*decumbens* (Stapf) R.D. Webster, *Australian Paniceae* (Poac.): 234 (1987); *Brachiaria decumbens*.  
*deflexa* (Schumacher) H. Scholz in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 443 (1989 publ. 1990); *Panicum deflexum*.  
*fasciculata*  
     *var. reticulata* (Vick.) R.D. Webster, *Australian Paniceae* (Poac.): 235 (1987), specific name not validly publ.; *Brachiaria fasciculata* var. *reticulata*.

**UROCHLOA** :-

- foliosa (R. Br.) R.D. Webster, *Australian Paniceae* (Poac.): 236 (1987): *Panicum foliosum*.  
 gilesii  
   subsp. occidentalis (C.A. Gardn. & C.E. Hubb.) R.D. Webster, *Australian Paniceae* (Poac.): 238 (1987): *Brachiaria occidentalis*.  
 holosericea (R. Br.) R.D. Webster, *Australian Paniceae* (Poac.): 239 (1987): *Panicum holosericeum*.  
   subsp. velutina R.D. Webster, *Australian Paniceae* (Poac.): 240 (1987)—Australia (N. Terr., W. Australia, Queensland).  
 kurzii (Hook.f.) R.D. Webster, *Australian Paniceae* (Poac.): 241 (1987): *Panicum kurzii*.  
 maxima (Jacq.) R.D. Webster, *Australian Paniceae* (Poac.): 241 (1987): *Panicum maximum*.  
   subsp. infesta (Peters) H. Scholz in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 443 (1989 publ. 1990): *Panicum infestum*.  
   var. trichoglume (Robyns) R.D. Webster, *Australian Paniceae* (Poac.): 242 (1987): *Panicum maximum* var. *trichoglume*.  
 piligera (F. Muell. ex Benth.) R.D. Webster, *Australian Paniceae* (Poac.): 246 (1987): *Panicum piligerum*.  
 plantaginea (Link) R.D. Webster in *Syst. Bot.*, 13(4): 607 (1988): *Panicum plantagineum*.  
 platyphylla (Griseb.) R.D. Webster in *Syst. Bot.*, 13(4): 606 (1988): *Paspalum platyphyllum*.  
 polyphylla (R. Br.) R.D. Webster, *Australian Paniceae* (Poac.): 248 (1987): *Panicum polyphyllum*.  
 pubigera (R. & S.) R.D. Webster, *Australian Paniceae* (Poac.): 250 (1987): *Panicum pubigerum*.  
 ramosa (L.) R.D. Webster, *Australian Paniceae* (Poac.): 251 (1987): *Panicum ramosum*.  
 subquadrifida (Trin.) R.D. Webster, *Australian Paniceae* (Poac.): 252 (1987): *Panicum subquadrifidum*.  
 texana (Buckl.) R.D. Webster, *Australian Paniceae* (Poac.): 253 (1987): *Panicum texanum*.  
 whiteana (Domin) R.D. Webster, *Australian Paniceae* (Poac.): 254 (1987): *Panicum whiteanum*.  
 xantholeuca (Schinz) H. Scholz in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 11(4): 443 (1989 publ. 1990): *Panicum xantholeucum*.

**UROMYRTUS** (Myrtac.).

- metrosideros (F.M. Bail.) A.J. Scott in *Kew Bull.*, 41(2): 286 (1986): *Myrtus metrosideros*.

**UROSPATHA** (Arac.).

- wurdackii (Bunting) A. Hay in *Blumea*, 33(2): 457 (1988): *Cyrtosperma wurdackii*.

**UROSPATHELLA** G.S. Bunting in *Phytologia*, 65(5): 391 (1988). ARACEAE.

- wurdackii (Bunting) G.S. Bunting in *Phytologia*, 65(5): 391 (1988): *Cyrtosperma wurdackii*.

**URTICA** (Urticac.).

- frutescens C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 851 (1784)—Japan.†  
 glabrata Clem. in *Atti 3 Riun. Sci. Ital.*: 1518 (1841); cf. D.J. Mabberley in *Taxon*, 31(1): 73 (1982)—Locality not stated.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 851 (1784)—Japan.†  
 kunlunshanica C.Y. Yang in *Claves Pl. Xinjiang*, 2: 84 (1982), without latin descr. or type—Xinjiang.  
 macrophylla C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 850 (1784)—Japan.†  
 portosanctana J.R. Press in *Bocagiana*, 123: 4 (1988), nom. nov.: U. subincisa var. *floribunda* Wedd.  
 sondenii (Simm.) Avror. ex D.V. Gel'tman in *Novosti Sist. Vyssh. Rast.*, 25: 76 (1988): U. dioica var. *sondenii*.  
 spicata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 850 (1784)—Japan.†  
 villosa C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 851 (1784)—Japan.†  
 whitlowii Whitlow, *Bot. Char. Desc. Urtica whitlowii*: 1 (before ?1814); cf. D.J. Mabberley in *Taxon*, 33(3): 444 (1984)—Locality not stated.

**URVILLEA** (Sapindac.).

- andersonii M.S. Ferrucci in *Bol. Soc. Argent. Bot.*, 24(1-2): 113 (1985)—Brazil.  
 stipularis M.S. Ferrucci in *Bol. Soc. Argent. Bot.*, 24(1-2): 110 (1985)—Brazil.

**UTRICULARIA** (Lentibulariac.).

- sect. Aranella (Barnh.) P. Taylor in *Kew Bull.*, 41(1): 7 (1986): gen. *Aranella*.  
 sect. Australes P. Taylor, *Genus Utricularia* (Kew Bull. Addit. Ser. 14): 179 (1989).  
 sect. Benjaminia P. Taylor in *Kew Bull.*, 41(1): 11 (1986).  
 sect. Candollea P. Taylor in *Kew Bull.*, 41(1): 6 (1986).  
 sect. Chelidon P. Taylor in *Kew Bull.*, 41(1): 10 (1986).  
 sect. Choristothecae P. Taylor, *Genus Utricularia* (Kew Bull. Addit. Ser. 14): 508 (1989).  
 sect. Enskide (Raf.) P. Taylor in *Kew Bull.*, 41(1): 9 (1986): gen. *Enskide*.  
 sect. Iperua P. Taylor in *Kew Bull.*, 41(1): 10 (1986).  
 sect. Kamienskia P. Taylor in *Kew Bull.*, 41(1): 11 (1986).  
 sect. Lloydia P. Taylor in *Kew Bull.*, 41(1): 6 (1986).  
 sect. Martinia P. Taylor in *Kew Bull.*, 41(1): 7 (1986).  
 sect. Meionula (Raf.) P. Taylor in *Kew Bull.*, 41(1): 5 (1986): gen. *Meionula*.  
 sect. Mirabilis P. Taylor, *Genus Utricularia* (Kew Bull. Addit. Ser. 14): 503 (1989).  
 sect. Nelipus (Raf.) P. Taylor in *Kew Bull.*, 41(1): 15 (1986): gen. *Nelipus*.  
 sect. Oliveria P. Taylor in *Kew Bull.*, 41(1): 13 (1986).  
 subgen. Polypompholyx (Lehm.) P. Taylor in *Kew Bull.*, 41(1): 1 (1986): gen. *Polypompholyx*.  
 sect. Polypompholyx (Lehm.) P. Taylor in *Kew Bull.*, 41(1): 2 (1986): gen. *Polypompholyx*.  
 sect. Psyllosperma P. Taylor in *Kew Bull.*, 41(1): 8 (1986).  
 sect. Setiscapella (Barnh.) P. Taylor in *Kew Bull.*, 41(1): 15 (1986): gen. *Setiscapella*.  
 sect. Sprucea P. Taylor in *Kew Bull.*, 41(1): 13 (1986).  
 sect. Steyermarkia P. Taylor, *Genus Utricularia* (Kew Bull. Addit. Ser. 14): 517 (1989).  
 sect. Tridentaria P. Taylor in *Kew Bull.*, 41(1): 2 (1986).  
 sect. Vesiculina (Raf.) P. Taylor in *Kew Bull.*, 41(1): 17 (1986): gen. *Vesiculina*.  
 antennifera P. Taylor in *Kew Bull.*, 41(1): 2 (1986)—Australia (W. Australia).  
 arnhemia P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (N. Terr.).  
 benthamii P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (W. Australia).  
 biovularioides (Kuhlmann) P. Taylor in *Kew Bull.*, 41(1): 16 (1986): *Saccalaria biovularioides*.  
 cheiranthos P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (N. Terr.).  
 choristotheca P. Taylor in *Kew Bull.*, 41(1): 14 (1986)—Surinam.  
 christopheri P. Taylor in *Kew Bull.*, 41(1): 12 (1986)—Nepal.  
 circumvoluta P. Taylor in *Kew Bull.*, 41(1): 9 (1986)—Australia (N. Terr., Queensland).  
 corynephora P. Taylor in *Kew Bull.*, 41(1): 12 (1986)—Burma, Thailand.  
 costata P. Taylor in *Kew Bull.*, 41(1): 7 (1986)—Venezuela, Brazil.  
 determinanii P. Taylor in *Kew Bull.*, 41(1): 14 (1986)—Surinam.  
 dunlopia P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (N. Terr., W. Australia).  
 fistulosa P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (W. Australia).  
 forrestii P. Taylor in *Kew Bull.*, 41(1): 13 (1986)—China, Burma.  
 garrettii P. Taylor in *Kew Bull.*, 41(1): 13 (1986)—Thailand.  
 georgei P. Taylor in *Kew Bull.*, 41(1): 3 (1986)—Australia (W. Australia).  
 grandiflora Mertens in *Bull. Acad. Belg.*, 8: 66 (1841); cf. D.J. Mabberley in *Taxon*, 33(3): 444 (1984)—Locality not stated.  
 helix P. Taylor in *Kew Bull.*, 41(1): 4 (1986)—Australia (W. Australia).  
 hintonii P. Taylor in *Kew Bull.*, 41(1): 8 (1986)—Mexico.  
 huntii P. Taylor in *Kew Bull.*, 41(1): 8 (1986)—Brazil.

**UTRICULARIA** :-

- kenneallyi P. Taylor in *Kew Bull.*, 41(1): 4 (1986)—Australia (W. Australia).  
 khasiana J. Joseph & J. Mani in *Bull. Bot. Surv. India*, 25(1-4): 192 (1983 publ. 1985)—India.  
 letestui P. Taylor, *Genus Utricularia* (Kew Bull. Addit. Ser. 14): 401 (1989)—Central African Republic.  
 macrocheilos (P. Taylor) P. Taylor in *Kew Bull.*, 41(1): 9 (1986): U. micropetala var. *macrocheilos*.  
 malabarica M.K. Janarthanam & A.N. Henry in *J. Bombay Nat. Hist. Soc.*, 86(1): 84 (1989)—India.  
 mirabilis P. Taylor in *Kew Bull.*, 41(1): 14 (1986)—Venezuela.  
 moniliformis P. Taylor in *Kew Bull.*, 41(1): 13 (1986)—Sri Lanka.  
 nayarii M.K. Janarthanam & A.N. Henry in *Bull. Bot. Surv. India*, 28(1-4): 195 (1986 publ. 1988)—India.  
 panamensis Steyermark ex P. Taylor in *Kew Bull.*, 41(1): 8 (1986)—Panama.  
 parthenopipes P. Taylor in *Kew Bull.*, 41(1): 7 (1986)—Brazil.  
 peranomala P. Taylor in *Kew Bull.*, 41(1): 12 (1986)—China.  
 perversa P. Taylor in *Kew Bull.*, 41(1): 16 (1986)—Mexico.  
 petersoniae P. Taylor in *Kew Bull.*, 41(1): 8 (1986)—Mexico.  
 physoceras P. Taylor in *Kew Bull.*, 41(1): 15 (1986)—Brazil.  
 quinquentata F. Mueller ex P. Taylor in *Kew Bull.*, 41(1): 4 (1986)—Australia (N. Terr., Queensland, W. Australia).  
 raynallii P. Taylor in *Kew Bull.*, 41(1): 17 (1986)—Cameroun, Senegal, Upper Volta, Sudan, Rwanda.  
 recta P. Taylor in *Kew Bull.*, 41(1): 10 (1986)—Bhutan, India, China.  
 rhododactylos P. Taylor in *Kew Bull.*, 41(1): 5 (1986)—Australia (N. Terr.).  
 scandens  
   subsp. firmula (Oliv.) Z.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 29 (1988): U. wallichiana var. *firmula*.  
 steenisii P. Taylor in *Kew Bull.*, 41(1): 13 (1986)—Sumatra.  
 stygia G. Thor in *Nordic J. Bot.*, 8(3): 219 (1988)—Sweden, Norway, Denmark, Finland, Great Britain, Germany, Canada (Nova Scotia, N.W. Terr.), Alaska.  
 terrae-reginae P. Taylor in *Kew Bull.*, 41(1): 5 (1986)—Australia (Queensland).  
 tridactyla P. Taylor in *Kew Bull.*, 41(1): 5 (1986)—Australia (W. Australia).  
 triflora P. Taylor in *Kew Bull.*, 41(1): 5 (1986)—Australia (N. Terr.).  
 westonii P. Taylor in *Kew Bull.*, 41(1): 2 (1986)—Australia (W. Australia).  
 wightiana P. Taylor in *Kew Bull.*, 41(1): 10 (1986), nom. nov.: U. squamosa Wight.

**UVARIA** (Annonac.).

- grandiflora Roxb. ex Hornem., *Hort. Hafn., Suppl.*: 141 (1819); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.  
 pandensis B. Verdcourt in *Kew Bull.*, 43(1): 99 (1988)—Tanzania.  
 tanzaniae B. Verdcourt in *Kew Bull.*, 41(2): 287 (1986)—Tanzania.

**UVARIODENDRON** (Annonac.).

- oligocarpum B. Verdcourt in *Kew Bull.*, 41(2): 289 (1986)—Tanzania.

**UVARIOPSIS** (Annonac.).

- bisexualis B. Verdcourt in *Kew Bull.*, 41(2): 289 (1986)—Tanzania.

**UVULARIA** (Convallariac.).

- cirrhuosa C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 325 (1784)—Japan.†  
 hirta C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 325 (1784)—Japan.†

## V

## VACCARIA (Caryophyllac.).

hispanica (Miller) S. Rauschert in Wiss. Zeitschr. Martin-Luther-Univ. Halle-Wittenberg, Math.-Nat., 14: 496 (1965): Saponaria hispanica.†

## VACCINIUM (Ericac.).

- sect. Monanthos C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 393 (1987).  
 sect. Pseudocephalanthos C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 384 (1987).  
 angulatum (Griff.) W. Theobald in F. Mason, Burmah, ed. 3, 2: 371 (1883); cf. D.J. Mabberley in Taxon, 34(1): 155 (1985): Ceratostemma angulatum.  
 bissei R. Berazain Iturralde in Rev. Jard. Bot. Nacion. Univ. Habana, 10(3): 215 (1989)—Cuba.  
 bocatorensis R.L. Wilbur in Sida, 11(4): 441 (1986), as 'bocatorensis'—Panama.  
 brachyandrum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 383 (1987)—China.  
 bracteatum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 363 (1784)—Japan.†  
 var. obovatum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 385 (1987)—China.  
 var. rubellum P.S. Hsu, J.X. Qiu, S.F. Huang & Y. Zhang in Acta Bot. Yunnanica, 11(3): 319 (1989)—China.  
 var. thysanocalyx (Dop) T. Smitinand & Pham-hoang Ho in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(4): 349 (1987 publ. 1988): V. thysanocalyx.  
 cavinerve C.Y. Wu in Acta Bot. Yunnanica, 9(4): 379 (1987)—China.  
 chamaebuxus C.Y. Wu in Acta Bot. Yunnanica, 9(4): 388 (1987)—China.  
 chengae  
 var. pilosum C.Y. Wu in Acta Bot. Yunnanica, 9(4): 393 (1987)—China.  
 ciliatum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 363 (1784)—Japan.†  
 craspedotum  
 var. brevipes C.Y. Wu in Acta Bot. Yunnanica, 9(4): 391 (1987)—China.  
 crassifolium  
 subsp. sempervirens (Rayner & Henderson) W.B. Kirkman & J.R. Ballington in Syst. Bot., 15(4): 693 (1990): V. sempervirens.  
 cubense  
 var. giganteum (Bisse) R. Berazain Iturralde in Rev. Jard. Bot. Nacion. Univ. Habana, 10(3): 217 (1989): V. giganteum.  
 cuspidifolium C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 390 (1987)—China.  
 delavayi  
 subsp. merrillianum (Hayata) R.C. Fang in Acta Bot. Yunnanica, 9(4): 394 (1987): V. merrillianum.  
 duclouxii  
 var. hirtellum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 387 (1987)—China.  
 var. hirticaule C.Y. Wu in Acta Bot. Yunnanica, 9(4): 386 (1987)—China.  
 var. puberpes C.Y. Wu in Acta Bot. Yunnanica, 9(4): 387 (1987)—China.  
 ekmanii R. Berazain Iturralde in Rev. Jard. Bot. Nacion. Univ. Habana, 10(3): 218 (1989)—Hispaniola (Dominican Republic).  
 elvirae J.L. Luteyn in Op. Bot., 92: 129 (1987)—Peru.  
 fimbribracteatum C.Y. Wu in Acta Bot. Yunnanica, 9(4): 385 (1987)—China.  
 gaultheriifolium  
 var. glaucorubrum C.Y. Wu in Acta Bot. Yunnanica, 9(4): 379 (1987)—China.  
 glaucophyllum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 381 (1987)—China.  
 henryi  
 var. chingii (Sleumer) C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 395 (1987): V. chingii.  
 hirtum C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 363 (1784)—Japan.†  
 impressinerve C.Y. Wu in Acta Bot. Yunnanica, 9(4): 381 (1987)—China.  
 iteophyllum  
 var. glandulosum C.Y. Wu & R.C. Fang in Fl. Xizangica, 3: 729 (1986)—Xizang.

## VACCINIUM :—

- jevidalianum T. Smitinand & Pham-hoang Ho in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(4): 350 (1987 publ. 1988)—Vietnam.  
 lamprophyllum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 390 (1987)—China.  
 nummularia  
 var. oblongifolium C.Y. Wu & R.C. Fang in Fl. Xizangica, 3: 724 (1986)—Xizang.  
 ovalifolium  
 var. alpinum (Tatewaki) T. Yamazaki in J. Jap. Bot., 62(4): 128 (1987): V. chamissonis var. alpinum.  
 var. sachalinense T. Yamazaki in J. Jap. Bot., 62(4): 128 (1987)—Sakhalin Is., Japan.  
 oxycoccus  
 subsp. microphyllum (Lange) J. Feilberg in Medd. Grönland, Biosci., 15: 12 (1984): Oxycoccus palustris f. microphylla.  
 papulosum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 388 (1987)—Xizang.  
 pipolyi J.L. Luteyn in Brittonia, 38(2): 101 (1986)—Brazil.  
 pratense P.C. Tam ex C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 383 (1987)—China.  
 pterocalyx J.L. Luteyn in Bull. Torrey Bot. Club, 112(4): 451 (1985)—Venezuela.  
 scalarinervium C.Y. Wu & R.C. Fang in Fl. Xizangica, 3: 730 (1986)—Xizang.  
 sciaphilum C.Y. Wu in Acta Bot. Yunnanica, 9(4): 392 (1987)—China.  
 spiculatum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 393 (1987)—Xizang.  
 steyermarkii J.L. Luteyn in Bull. Torrey Bot. Club, 112(4): 451 (1985)—Venezuela.  
 trichocladum  
 var. glaberracemosum C.Y. Wu in Acta Bot. Yunnanica, 9(4): 387 (1987)—China.  
 uliginosum  
 subsp. khokhrjakovii M.T. Mazurenko in Byull. Mosk. Obshch. Ispyt. Priro., Biol., 94(6): 97 (1989)—U.S.S.R. (Caucasus), Turkey.  
 urceolatum  
 var. pubescens C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 384 (1987)—China.  
 vietnamense T. Smitinand & Pham-hoang Ho in Bull. Mus. Nation. Hist. Nat., B, Adansonia, Ser. 4, 9(4): 349 (1987 publ. 1988)—Vietnam.  
 yaoshanicum  
 var. megaphyllum C.Y. Wu & R.C. Fang in Acta Bot. Yunnanica, 9(4): 386 (1987)—China.

## VALERIANA (Valerianac.).

- sect. Amplophus (Raf.) B. Eriksen in Nordic J. Bot., 9(2): 186 (1989): gen. Amplophus.  
 sect. Astrephia (Duf.) B. Eriksen in Nordic J. Bot., 9(2): 185 (1989): gen. Astrephia.  
 sect. Belonanthus (Graebn.) B. Eriksen in Nordic J. Bot., 9(2): 186 (1989): gen. Belonanthus.  
 sect. Bracteata B.B. Larsen in Nordic J. Bot., 6(4): 438 (1986).  
 sect. Stangea (Graebn.) B. Eriksen in Nordic J. Bot., 9(2): 186 (1989): gen. Stangea.  
 ajanensis  
 subsp. fasciculata (Worosh. & Gorovoi) V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 30 (1986 publ. 1987): V. fasciculata.  
 alternifolia  
 subsp. pseudocoreana V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 31 (1986 publ. 1987)—U.S.S.R. (Soviet Far East).  
 subsp. stubendorffii (Kreyer ex Kom.) V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 31 (1986 publ. 1987): V. stubendorffii.  
 alypifolia  
 subsp. argenteomarginata B. Eriksen in Fl. Ecuador, 34(186): 23 (1989)—Ecuador.  
 bryophila F.R. Barrie in Sida, 13(3): 266 (1989)—Mexico.  
 capensis  
 var. nana B.L. Burt in Notes Roy. Bot. Gard. Edinburgh, 43(3): 404 (1986)—South Africa (Natal, Cape Province), Lesotho.  
 cernua B. Eriksen in Fl. Ecuador, 34(186): 20 (1989)—Ecuador.  
 convallarioides (Schmale) B.B. Larsen in Nordic J. Bot., 6(4): 442 (1986): Phyllactis convallarioides.

## VALERIANA :—

- coreana  
 subsp. badzhalsensis V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 30 (1986 publ. 1987)—U.S.S.R. (Soviet Far East).  
 subsp. leiocarpa (Kitag.) V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 31 (1986 publ. 1987): V. leiocarpa.  
 subsp. pseudombrosa (Worosh.) V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 31 (1986 publ. 1987): V. pseudombrosa.  
 subsp. sachalinensis (Hara) V.N. Voroshilov in Byull. Glavn. Bot. Sada (Moscow), 143: 31 (1986 publ. 1987): V. sambucifolia var. sachalinensis.  
 crinii  
 subsp. epirotica (Phitos) R. Franzén in Willdenowia, 15(2): 353 (1986): V. epirotica.  
 dageletiana  
 f. integra (Nakai ex Maekawa) S.H. Park in J. Korean Pl. Taxon., 3(1-2): 26 (1971): V. dageletiana var. integra.  
 var. verticillata S.H. Park in J. Korean Pl. Taxon., 3(1-2): 26 (1971)—Korea.  
 decussata  
 subsp. polemonioides (H.B.K.) B. Eriksen in Fl. Ecuador, 34(186): 52 (1989): V. polemonioides.  
 fauriei  
 subsp. badzhalsensis (Worosh.) V.N. Voroshilov in Byull. Mosk. Obshch. Ispyt. Priro., Biol., 95(2): 92 (1990): V. coreana subsp. badzhalsensis.  
 subsp. sachalinensis (Hara) V.N. Voroshilov in Byull. Mosk. Obshch. Ispyt. Priro., Biol., 95(2): 92 (1990): V. sambucifolia var. sachalinensis.  
 ficariifolia  
 var. glabra B.A. Sharipova in Fl. Tadzhikskoi SSR, 9: 525, 114 (1988), without type—U.S.S.R. (Middle Asia).  
 var. obovata B.A. Sharipova in Fl. Tadzhikskoi SSR, 9: 525, 114 (1988), without type—U.S.S.R. (Middle Asia).  
 var. paripinnata B.A. Sharipova in Fl. Tadzhikskoi SSR, 9: 525, 114 (1988), without type—U.S.S.R. (Middle Asia).  
 gallinae F.R. Barrie in Sida, 13(3): 269 (1989)—Mexico.  
 henrici (Graebn.) B. Eriksen in Fl. Ecuador, 34(186): 17 (1989): Stangea henrici.  
 kamelinii B.A. Sharipova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 1(98): 16 (1985)—U.S.S.R. (Middle Asia).  
 subsp. albiflora B.A. Sharipova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 1(98): 18 (1985)—U.S.S.R. (Middle Asia).  
 muliensis S.K. Wu in Acta Phytotax. Sin., 25(3): 239 (1987)—China.  
 protenta B. Eriksen in Fl. Ecuador, 34(186): 24 (1989)—Ecuador, Peru.  
 punctata  
 subsp. trichophylla B. Eriksen in Fl. Ecuador, 34(186): 23 (1989)—Ecuador.  
 schachristanica R. Kam. & B.A. Sharipova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 1(98): 18 (1985)—U.S.S.R. (Middle Asia).  
 secunda B. Eriksen in Fl. Ecuador, 34(186): 32 (1989)—Ecuador.  
 spiroflora B.B. Larsen in Nordic J. Bot., 6(4): 443 (1986)—Colombia.  
 venusta L.Q. Qiu in Acta Bot. Yunnanica, 8(1): 45 (1986)—China.  
 villosa C.P. Thunberg ex A. Murray in Linnaeus, Syst. Veg., ed. 14: 81 (1784)—Japan.†  
 xiaheensis L.Q. Qiu in Acta Bot. Yunnanica, 8(1): 46 (1986)—China.

## VALERIANELLA (Valerianac.).

- sect. Tuberculatae B.A. Sharipova in Dokl. Akad. Nauk Tadzh. SSR, 27(2): 106 (1984).  
 gibosa (Guss.) Tin., Cat. Pl. Panorm.: 264 (1827); cf. D.J. Mabberley in Taxon, 31(1): 73 (1982): Basionym not stated.  
 ovczinnikovii B.A. Sharipova in Izv. Akad. Nauk Tadzh. SSR, Biol. Nauk, 3(92): 95 (1983)—U.S.S.R. (Middle Asia).  
 varzobica B.A. Sharipova in Fl. Tadzhikskoi SSR, 9: 525, 109 (1988)—U.S.S.R. (Middle Asia).

**VALERIOANTHUS** (Myrsinac.).

*hirsutissimus* (Lundell) C.L. Lundell in *Phytologia*, 63(2): 78 (1987): *Ardisia hirsutissima*.

**VALLEA** (Elaeocarpaceae).

*ecuadorensis* J. Jaramillo Azanza in *Nordic J. Bot.*, 8(1): 20 (1988)—Ecuador.

**VALLISNERIA** (Hydrocharitac.).

*alternifolia* W. Roxburgh ex R. Wight in Hook., *Bot. Mag. Misc.*, 2: 344 (1831); fide D.J. Mabberley in *Taxon*, 26(5-6): 535 (1977)—India.

**VALLOTA** (Amaryllidac.).

×*hybrida* Bull. *Cat.*, 324: 2 (tab.), 6 (1898); cf. D.J. Mabberley in *Taxon*, 34(3): 456 (1985)—Locality not stated. (*Cyrtanthus sanguineus* × *V. speciosa*).

**VANDA** (Orchidac.).

*flabellata* (Rolf ex Downie) E.A. Christenson in *Indian Orchid J.*, 1(4): 156 (1985); et in *Selbyana*, 9(1): 169 (1986): *Aerides flabellata*.  
*javierae* Tiu ex H. Fessel & E. Lückel in *Orchidee*, 41(4): 146 (1990)—Philippine Is.  
*kwangtungensis* S.J. Cheng & Z.Z. Tang in *Acta Bot. Yunnanica*, 8(2): 218 (1986)—China.

**VANGUERIA** (Rubiace.).

*subgen. Itigi* B. Verdcourt in *Kew Bull.*, 42(1): 186 (1987).  
*madagascariensis*  
*var. abyssinica* (A. Rich.) C. Puff, *Rubiaceae Fl. Ethiopia Area*: 108 (1989), without basionym ref.: *V. abyssinica*.

**VANGUERIELLA** B. Verdcourt in *Kew Bull.*, 42(1):

189 (1987), nom. nov.: *Vangueriopsis* subgen. *Brachyanthus* Robyns (Rubiace.).  
*sect. Stenosepalae* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 194 (1987): *Vangueriopsis* *sect. Stenosepalae*.  
*campylacantha* (Mildbr.) B. Verdcourt in *Kew Bull.*, 42(1): 196 (1987): *Plectronia campylacantha*.  
*chlorantha* (K. Schum.) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Plectronia chlorantha*.  
*discolor* (Benth.) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Canthium discolor*.  
*georgesi* B. Verdcourt in *Kew Bull.*, 42(1): 195 (1987)—Gabon.  
*glabrescens* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 197 (1987): *Vangueriopsis glabrescens*.  
*laxiflora* (K. Schum.) B. Verdcourt in *Kew Bull.*, 42(1): 192 (1987): *Plectronia laxiflora*.  
*lesteui* B. Verdcourt in *Kew Bull.*, 42(1): 194 (1987)—Gabon.  
*nigrica* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Vangueriopsis nigrica*.  
*nigricans* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Vangueriopsis nigricans*.  
*olacifolia* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Vangueriopsis olacifolia*.  
*orthacantha* (Mildbr.) D.M. Bridson & B. Verdcourt in *Kew Bull.*, 42(1): 198 (1987): *Plectronia orthacantha*.  
*rhamnoides* (Hiern) B. Verdcourt in *Kew Bull.*, 42(1): 197 (1987): *Canthium rhamnoides*.  
*rufa* (Robyns) B. Verdcourt in *Kew Bull.*, 42(1): 195 (1987): *Vangueriopsis rufa*.  
*sapinii* (De Wild.) B. Verdcourt in *Kew Bull.*, 42(1): 196 (1987): *Vangueria sapini*.  
*soyauxii* (K. Schum.) B. Verdcourt in *Kew Bull.*, 42(1): 196 (1987): *Plectronia soyauxii*.  
*spinosa* (Schumacher & Thonn.) B. Verdcourt in *Kew Bull.*, 42(1): 194 (1987): *Phallaria spinosa*.  
*vanguerioides* (Hiern) B. Verdcourt in *Kew Bull.*, 42(1): 193 (1987): *Canthium vanguerioides*.  
*zenkeri* B. Verdcourt in *Kew Bull.*, 42(1): 192 (1987), nom. nov.: *Plectronia macrocarpa* K. Schum.

**VANGUERIOPSIS** (Rubiace.).

*subgen. Guranivea* B. Verdcourt in *Kew Bull.*, 42(1): 188 (1987).

**VANHOUTTEA** (Gesneriac.).

*fruticulosa* (Glaziou ex Hoehne) A. Chautems in *Candollea*, 45(1): 388 (1990): *Reichsteineria fruticulosa*.

**VANILLA** (Orchidac.).

*taiwaniana* S.S. Ying in *Quart. J. Chinese Forest.*, 20(2): 55 (1987)—Taiwan.

**VANTANEA** (Humiriace.).

*bahiensis* J. Cuatrecasas in *Phytologia*, 68(4): 263 (1990)—Brazil.  
*depleta* G. McPherson in *Ann. Missouri Bot. Gard.*, 75(3): 1148 (1988)—Panama.  
*morii* J. Cuatrecasas in *Phytologia*, 68(4): 265 (1990)—Brazil.  
*spichigeri* A.H. Gentry in *Candollea*, 45(1): 379 (1990)—Peru.

**VARILLA** (Compos.).

*mexicana*  
*var. gypsophila* B.L. Turner in *Phytologia*, 69(1): 6 (1990)—Mexico.

**VARRONIA** (Boraginac.).

*sect. Cordiopsis* (Desv.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 382 (1988): gen. *Cordiopsis*.  
*sect. Montjolya* (Friesen) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 382 (1988): gen. *Montjolya*.  
*sect. Ulmarronia* (Friesen) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 382 (1988): gen. *Ulmarronia*.  
*acuta* (Pittier) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia acuta*.  
*ambigua* (Schlecht. & Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia ambigua*.  
*anderssonii* (Guerke) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia anderssonii*.  
*anisodonta* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Cordia anisodonta*.  
*asterothrix* (Killip) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia asterothrix*.  
*aubletii* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia aubletii*.  
*axillaris* (M.J. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia axillaris*.  
*badaeva* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia badaeva*.  
*bahiensis* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia bahiensis*.  
*baracoensis* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia baracoensis*.  
*bellonis* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia bellonis*.  
*bifurcata* (Roem. & Schult.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia bifurcata*.  
*boliviana* (Gand.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia boliviana*.  
*bombardensis* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia bombardensis*.  
*braceliniae* (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 383 (1988): *Cordia braceliniae*.  
*brevispicata* (Mart. & Gal.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia brevispicata*.  
*brownei* (Friesen) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Montjolya brownei*.  
*calicola* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia calicola*.  
*campestris* (Warm) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia campestris*.  
*cana* (Mart. & Gal.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia cana*.  
*candolleana* A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988), nom. nov.: *Cordia longifolia* A.DC.  
*canescens* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia canescens*.  
*caracasana* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia caracasana*.  
*chabrensis* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Cordia chabrensis*.  
*chacoensis* (Chodat) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia chacoensis*.  
*cinerascens* (A.DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia cinerascens*.  
*claviceps* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia claviceps*.  
*coloradiphila* (Gilli) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia coloradiphila*.  
*corallicola* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 390 (1988): *Cordia corallicola*.  
*corchorifolia* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia corchorifolia*.  
*costaricensis* (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia costaricensis*.

**VARRONIA** :-

*coyucana* (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia coyucana*.  
*cuneiformis* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia cuneiformis*.  
*dependens* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Cordia dependens*.  
*discolor* (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia discolor*.  
*divaricata* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia divaricata*.  
*duartei* (Borhidi & Muniz) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia duartei*.  
*ewanii* (Killip) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988), without basionym ref.: *Cordia ewanii*.  
*exarata* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia exarata*.  
*fasciata* (Leonard & Alain) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia fasciata*.  
*fasciculata* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388, 394 (1988): *Cordia fasciculata*.  
*foliosa* (Mart. & Gal.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389, 394 (1988): *Cordia foliosa*.  
*galapagensis* (Guerke) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia galapagensis*.  
*gibberosa* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 384 (1988): *Cordia gibberosa*.  
*glandulosa* (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia glandulosa*.  
*globosa*  
*subsp. humilis* (Jacq.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *V. humilis*.  
*graveolens* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia graveolens*.  
*haitiensis* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia haitiensis*.  
*hermannifolia* (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia hermannifolia*.  
*hispida* (Benth.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988), without basionym date: *Cordia hispida*.  
*holguinensis* (Borhidi & Muniz) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 391 (1988): *Cordia holguinensis*.  
*hookeriana* (Guerke) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *Cordia hookeriana*.  
*iberica* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *Cordia iberica*.  
*inermis* (Mill.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988), basionym as 'Cordia': *Lantana inermis*.  
*interrupta* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia interrupta*.  
*intricata* (Wr.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988), without basionym page: *Cordia intricata*.  
*jamaicensis* (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia jamaicensis*.  
*jeremiensis* (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *Cordia jeremiensis*.  
*lamprophylla* (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Cordia lamprophylla*.  
*lanata* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia lanata*.  
*lanceolata* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia lanceolata*.  
*laxiflora* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia laxiflora*.  
*lenis* (Alain) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia lenis*.  
*leucocalyx* (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *Cordia leucocalyx*.  
*leucomalla* (Taub.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 385 (1988): *Cordia leucomalla*.  
*mariyuitensis* (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia mariyuitensis*.  
*microcephala* (Willd.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia microcephala*.  
*mollissima* (Killip) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia mollissima*.  
*multispicata* (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia multispicata*.  
*nashii* (Urb. & Britt.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia nashii*.  
*neowidiana* (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia neowidiana*.  
*nesophila* (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia nesophila*.



**VARRONIA** :-

- nipensis (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia nipensis*.  
 nivea (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia nivea*.  
 oligodonta (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Cordia oligodonta*.  
 oxyphylla (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia oxyphylla*.  
 paraguariensis (Chod. & Hassl.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 392 (1988): *Cordia paraguariensis*.  
 parviflora (Ortega) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988), without basionym date: *Cordia parviflora*.  
 passa (I.M. Johnston) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia passa*.  
 patens (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia patens*.  
 pauciflora (Rusby) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia pauciflora*.  
 pedunculosa (Griseb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia pedunculosa*.  
 perroyana (Urb. & Ekm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia perroyana*.  
 peruviana (Roem. & Schult.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia peruviana*.  
 picardae (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988): *Cordia picardae*.  
 podocephala (Torr.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 386 (1988), without basionym date: *Cordia podocephala*.  
 poeppigii (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia poeppigii*.  
 poliophylla (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia poliophylla*.  
 polystachya (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia polystachya*.  
 revoluta (Hook. f.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia revoluta*.  
 riparia (HBK.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia riparia*.  
 rosei (Killip) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia rosei*.  
 rusbyi (Britt. ex Rusby) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia rusbyi*.  
 salicina (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia salicina*.  
 salvifolia (Juss. ex Poir.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 389 (1988): *Cordia salvifolia*.  
 sauvallei (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia sauvallei*.  
 schomburgkii (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia schomburgkii*.  
 scouleri (Hook. f.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia scouleri*.  
 serrata (L.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 394 (1988): *Tournefortia serrata*.  
 sessilifolia (Cham.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia sessilifolia*.  
 setulosa (Alain) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia setulosa*.  
 spinescens (L.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia spinescens*.  
 stellata (Greenm.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia stellata*.  
 striata (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia striata*.  
 suffruticosa (Borhidi) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia suffruticosa*.  
 toaensis (Borhidi & Muñiz) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 387 (1988): *Cordia toaensis*.  
 tobagensis (Urb.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia tobagensis*.  
 truncata (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia truncata*.  
 utermarkiana (Borhidi) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia utermarkiana*.  
 verbenacea (DC.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia verbenacea*.  
 villicaulis (Fres.) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 388 (1988): *Cordia villicaulis*.  
 wagnerorum (Howard) A. Borhidi in *Acta Bot. Hung.*, 34(3-4): 393 (1988): *Cordia wagnerorum*.

**VASSOBIA** (Solanac.).

- iochromoides A.T. Hunziker in *Lorentzia*, 6: 3 (1986)—Argentina.

**VATICA** (Dipterocarpace.).

- chevalieri (Gagnepain) T. Smitinand in *Fl. Cambodge, Laos & Vietnam*, 25: 47 (1990): *Brachypodandra chevalieri*.  
 odorata subsp. brevipedunculata Pham Hoang Hô in *Fl. Cambodge, Laos & Vietnam*, 25: 54 (1990)—Vietnam.

**VAUQUELINIA** (Rosac.).

- californica subsp. pauciflora (Standl.) W.J. Hess & J. Henrickson in *Sida*, 12(1): 135 (1987): *V. pauciflora*.  
 subsp. retherfordii (I.M. Johnston) W.J. Hess & J. Henrickson in *Sida*, 12(1): 132 (1987): *V. retherfordii*.  
 subsp. sonorensis W.J. Hess & J. Henrickson in *Sida*, 12(1): 130 (1987)—U.S.A. (Arizona), Mexico.  
 corymbosa subsp. angustifolia (Rydb.) W.J. Hess & J. Henrickson in *Sida*, 12(1): 148 (1987): *V. angustifolia*.  
 subsp. heterodon (I.M. Johnston) W.J. Hess & J. Henrickson in *Sida*, 12(1): 145 (1987): *V. heterodon*.  
 subsp. karwinskyi (Maxim.) W.J. Hess & J. Henrickson in *Sida*, 12(1): 152 (1987): *V. karwinskyi*.  
 subsp. latifolia (Rydb. ex Standl.) W.J. Hess & J. Henrickson in *Sida*, 12(1): 159 (1987): *V. latifolia*.  
 subsp. saltilloensis W.J. Hess & J. Henrickson in *Sida*, 12(1): 156 (1987)—Mexico.

**VEITCHIA** (Palmae).

- canterburyana (C. Moore & F. Mueller) H.A. Wendl ex Anon. in *Gard. Chron.*, 1872: 372 (1872): *Kentia canterburyana*.†

- ×**VEJVARUTARA** hort. in *Orchid Rev.*, 95(1130): centre page pull-out p. 9 (1987). **ORCHIDACEAE**. (Broughtonia × Cattleya × Cattleyopsis).

**VELLA** (Crucif.).

- charpinii J. Fernández Casas in *Fontqueria*, 1: 9 (1982)—Morocco.  
 mairei var. macrantha J. Fernández Casas in *Fontqueria*, 2: 25 (1982)—Morocco.  
 pseudocytisus subsp. glabrata W. Greuter in W. Greuter, H.M. Burdet & G. Long (eds.), *Med-checklist*, 3: 172 (1986), nom. nov.: *V. glabrescens* Cosson.

**VELLEREOPHYTON** (Compos.).

- felinum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 35 (1983)—South Africa (Cape Province).  
 gracillimum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 33 (1983)—South Africa (Cape Province).  
 niveum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 34 (1983)—South Africa (Cape Province).  
 pulvinatum O.M. Hilliard in *Fl. S. Afr.*, 33(7:2): 35 (1983)—South Africa (Cape Province).

**VELLOZIA** (Velloziac.).

- capitcola L.B. Smith in *Bradea*, 4(30): 211 (1986)—Brazil.  
 goiasensis L.B. Smith in *Bradea*, 4(30): 212 (1986)—Brazil.  
 luteola R. de Mello-Silva & N.L. de Menezes in *Acta Bot. Brasil.*, 1(2)Supl.: 202 (1988)—Brazil.

**VEPRIS** (Rutac.).

- mandangoana S. Lisowski in *Fragm. Flor. Geobot.*, 29(2): 214 (1983 publ. 1985)—Zaire.

**VERATRUM** (Melanthiac.).

- lobelianum subsp. misae (Širjaev) M. Šourková in *Novit. Bot.*, 1988(4): 65 (1988): *V. album* var. *misae*.

**VERBASCUM** (Scrophulariac.).

- adenosepalum (Murb.) I.I. Karyagin in *Fl. Azerbaidzhana*, 7: 424 (1957): *V. sinuatum* var. *adenosepalum*.

**VERBASCUM** :-

- aqransae A.K. Al-Bermani & A.H.E. Al-Musawi in *Feddes Repert.*, 97(7-8): 393 (1986)—Iraq.  
 bactrianum A. Bunge, *Beitr. Fl. Russl.*: 246 (1852)—U.S.S.R. (Middle Asia).†  
 ballii (Batt.) M. Qaiser in *Fl. Libya*, 88: 26 (1982): *Celsia ballii*.  
 boerhavi var. knoechei C. Benedi, J. Orell & J.J. Orell Jaquotot in *But. Inst. Catalana Hist. Nat.*, 57 Bot., 7: 62 (1989)—Balearic Is.  
 erosum Lag., *Elenchus*: 17 (1816); cf. D.J. Mabberley in *Taxon*, 31(1): 73 (1982)—Locality not stated.  
 giganteum subsp. martinezii B. Valdés in *Lagascalia*, 14(1): 89 (1986)—Spain.  
 ×nydeggeri A. Huber-Morath in *Bauhinia*, 9(1): 40 (1988)—Turkey. (*V. biledschikianum* × *lasianthum*).  
 ovatifolium DC. ex Hornem., *Hort. Hafn.*: 211 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.  
 rotundifolium var. ripacurcicum (O. de Bolos & J. Vigo) A.M. Romo i Diez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 256 (1989): *V. rotundifolium* subsp. *ripacurcicum*.  
 scoparium V. Mozaffarian in *Iranian J. Bot.*, 4(1): 66 (1988)—Iran.  
 simplex var. compositum (Mariz) C. Benedi & J. Molero in *Bol. Soc. Brot.*, 59: 62 (1986): *V. linckianum* var. *compositum*.  
 virgatum subsp. dertosense C. Benedi González & A.M. Rovira López in *An. Jard. Bot. Madrid*, 44(2): 391 (1987)—Spain.  
 xanthophoeniceum var. albiflorum D. Voliotis in *Bot. Chronika*, 8(1-2): 36 (1988)—Greece.
- VERBENA** (Verbenac.).  
 arequipense S.M. Botta in *Darwiniana*, 28(1-4): 237 (1987 publ. 1988)—Peru.  
 officinalis subsp. africana R.B. Fernandes & B. Verdcourt in *Bol. Soc. Brot.*, 62: 305 (1989)—Zimbabwe, Ethiopia, Uganda, Kenya, Tanzania, Zambia, South Africa (Natal, Transvaal).  
 parvula f. albiflora H.N. Moldenke in *Phytologia*, 61(7): 444 (1987)—Bolivia.  
 pilosiuscula (Kunth) Endl., *Cat. Horti Vindob.*, 2: 46 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Basionym not stated.  
 salisburyi Endl., *Cat. Horti Vindob.*, 2: 46 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984)—Locality not stated.
- VERBESINA** (Compos.).  
 cuneifolia C.C. Gmel., *Hort. Mag. Duc. Bad. Carlsruh.*: 278 (1811); cf. D.J. Mabberley in *Taxon*, 33(3): 440 (1984)—Australia.  
 durangensis B.L. Turner in *Phytologia*, 60(4): 254 (1986)—Mexico.  
 guerreroana B.L. Turner in *Phytologia*, 63(1): 7 (1987)—Mexico.  
 harlingii H. Robinson in *Phytologia*, 65(1): 53 (1988)—Ecuador.  
 hildalgoana B.L. Turner in *Phytologia*, 68(2): 98 (1990)—Mexico.  
 howardiana J. Olsen in *Phytologia*, 67(1): 107 (1989); see also *Phytologia*, 68(2): 137 (1990)—Windward Is.  
 jacksonii B.L. Turner in *Phytologia*, 65(6): 493 (1989)—Mexico.  
 linearis (McVaugh) B.L. Turner in *Phytologia*, 64(4): 269 (1988): *Encelia linearis*.  
 lottiana B.L. Turner & J. Olsen in *Sida*, 13(1): 41 (1988)—Mexico.  
 macdonaldii B.L. Turner in *Phytologia*, 68(2): 99 (1990)—Mexico.  
 macvaughii B.L. Turner in *Phytologia*, 63(1): 8 (1987)—Mexico.  
 mexiae B.L. Turner in *Phytologia*, 63(1): 9 (1987)—Mexico.  
 nayaritensis B.L. Turner in *Phytologia*, 63(1): 10 (1987)—Mexico.

**VERBESINA** :-

- neotenoriensis *B.L. Turner in Phytologia*, 63(1): 11 (1987)—Mexico.  
 paneroi *B.L. Turner in Phytologia*, 69(2): 125 (1990)—Mexico.  
 sinaloensis *B.L. Turner in Phytologia*, 66(6): 498 (1989)—Mexico.  
 tapantiana *L.J. Poveda & B. Hammel in Brenesia*, 32: 123 (1989 publ. 1990)—Costa Rica.  
 vallartana *B.L. Turner & J. Olsen in Sida*, 13(1): 39 (1988)—Mexico.  
 villasenorii *B.L. Turner in Phytologia*, 69(2): 127 (1990)—Mexico.  
 villonacoensis *H. Robinson in Phytologia*, 65(1): 54 (1988)—Ecuador.  
 virgata  
   *var. oreopola (Rob. & Greenm.) B.L. Turner in Phytologia*, 63(1): 12 (1987): *V. oreopola*.  
 xicoana *B.L. Turner in Phytologia*, 64(5): 344 (1988)—Mexico.

**VEREIA** (Crassulac.).

- rhizophylla *Bertol., Elenchus Hort. Bot. Bonon.*: 8 (1820); cf. *D.J. Mabberley in Taxon*, 32(1): 82 (1983)—Locality not stated.

**VERNONIA** (Compos.).

- ser. Brasilianae* *J.G. Stutts in Rhodora*, 90(861): 41 (1988).  
*ser. Chamaedryis* *J.G. Stutts in Rhodora*, 90(861): 43 (1988).  
   *subser. Chamaedryis* *J.G. Stutts in Rhodora*, 90(861): 43 (1988).  
   *subser. Chaquenses* *J.G. Stutts in Rhodora*, 90(861): 44 (1988).  
   *subser. Laxae* *J.G. Stutts in Rhodora*, 90(861): 43 (1988).  
*ser. Nitidulae (Cabrera)* *J.G. Stutts in Rhodora*, 90(861): 42 (1988): *V. subsect. Nitidulae*.  
*subser. Nudiflorae* *J.G. Stutts in Rhodora*, 90(861): 44 (1988).  
*ser. Puberulae* *J.G. Stutts in Rhodora*, 90(861): 45 (1988).  
*ser. Tomentellae* *J.G. Stutts in Rhodora*, 90(861): 41 (1988).  
*adoensis*  
   *var. kotschyana (Schultz Bip. ex Walp.) G.V. Pope in Kew Bull.*, 43(2): 285 (1988): *V. kotschyana*.  
   *var. mossambiquensis (Steetz) G.V. Pope in Kew Bull.*, 43(2): 284 (1988): *Ascaricida mossambiquensis*.  
*agrianthoides* *C. Jeffrey in Kew Bull.*, 43(2): 227 (1988)—Tanzania, Zaïre, Burundi.  
*albocinerascens* *C. Jeffrey in Kew Bull.*, 43(2): 222 (1988)—Uganda, Kenya, Tanzania.  
*alticola* *G.V. Pope in Kew Bull.*, 43(2): 281 (1988)—Malawi, Tanzania, Zambia.  
*ballyi* *C. Jeffrey in Kew Bull.*, 43(2): 240 (1988)—Kenya.  
*brachytrichoides* *C. Jeffrey in Kew Bull.*, 43(2): 221 (1988)—Tanzania.  
*bractifimbriata (Mendonça)* *G.V. Pope in Kew Bull.*, 41(1): 42 (1986): *V. poskeana* var. *bractifimbriata*.  
*bruceae* *C. Jeffrey in Kew Bull.*, 43(2): 216 (1988)—Tanzania.  
*caboverdeana* *W. Lobin in Courier Forschungsinst. Senckenberg*, 81: 117 (1986), nom. nov.: *Gymnanthemum bolleanum Steetz*.  
*calvoana*  
   *var. acuta (C.D. Adams) C. Jeffrey in Kew Bull.*, 43(2): 237 (1988): *V. leucocalyx* var. *acuta*.  
   *subsp. adolfi-friderici (Muschl.) C. Jeffrey in Kew Bull.*, 43(2): 236 (1988): *V. adolfi-friderici*.  
   *subsp. leucocalyx (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 236 (1988): *V. leucocalyx*.  
   *subsp. meridionalis (H. Wild) C. Jeffrey in Kew Bull.*, 43(2): 237 (1988): *V. hymenolepis* subsp. *meridionalis*.  
   *var. mokaensis (Mildbr. & Mattf.) C. Jeffrey in Kew Bull.*, 43(2): 237 (1988): *V. mokaensis*.  
   *subsp. oehlerii (Muschl.) C. Jeffrey in Kew Bull.*, 43(2): 236 (1988): *V. oehlerii*.  
   *subsp. ruwenzoriensis C. Jeffrey in Kew Bull.*, 43(2): 236 (1988)—Uganda, Zaïre.  
   *subsp. ulugurensis (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 236 (1988): *V. ulugurensis*.  
   *subsp. usambarensis C. Jeffrey in Kew Bull.*, 43(2): 236 (1988)—Tanzania.

**VERNONIA** :-

- carachensis *V.M. Badillo in Ernstia*, 48: 41 (1988)—Venezuela.  
 chiriquiensis *S.C. Keeley in Brittonia*, 39(1): 45 (1987)—Panama.  
 cinerea  
   *var. lentii (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 224 (1988): *V. lentii*.  
   *var. ugandensis C. Jeffrey in Kew Bull.*, 43(2): 224 (1988)—Uganda, Kenya.  
 cocleana *S.C. Keeley in Brittonia*, 39(1): 44 (1987)—Panama.  
 colorata  
   *subsp. grandis (DC.) C. Jeffrey in Kew Bull.*, 43(2): 212 (1988): *Decaneurum grande*.  
   *subsp. oxyura (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 213 (1988): *V. oxyura*.  
 congolensis  
   *subsp. longiflora C. Jeffrey in Kew Bull.*, 43(2): 233 (1988)—Tanzania.  
   *subsp. vernonioides (Sch. Bip. ex Walp.) C. Jeffrey in Kew Bull.*, 43(2): 233 (1988): *Linzia vernonioides*.  
 diazlunana *B.L. Turner in Phytologia*, 69(3): 169 (1990)—Mexico.  
 duvigneaudii *K. Kalanda in Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 209 (1987)—Zaïre.  
 evrardiana *K. Kalanda in Bull. Jard. Bot. Nation. Belg.*, 56(3–4): 388 (1986)—Zaïre.  
 exsertiflora  
   *var. tenuicalyx G.V. Pope in Kew Bull.*, 43(2): 279 (1988)—Zambia, Tanzania, Zaïre.  
 faustiana (*Chapman & Jones*) *B.L. Turner in Phytologia*, 65(2): 136 (1988): *V. greggii* subsp. *faustiana*.  
 filisquama *M.G. Gilbert in Kew Bull.*, 41(1): 33 (1986)—Tanzania.  
 galamensis  
   *subsp. afromontana (R.E. Fries) M.G. Gilbert in Kew Bull.*, 41(1): 32 (1986): *V. afromontana*.  
   *var. australis M.G. Gilbert in Kew Bull.*, 41(1): 26 (1986)—Zimbabwe, Tanzania, Mozambique, Malawi.  
   *var. ethiopica M.G. Gilbert in Kew Bull.*, 41(1): 26 (1986)—Ethiopia.  
   *subsp. filisquama (M.G. Gilbert) C. Jeffrey in Kew Bull.*, 43(2): 229 (1988): *V. filisquama*.  
   *subsp. gibbosa M.G. Gilbert in Kew Bull.*, 41(1): 32 (1986)—Kenya.  
   *var. gibbosa (M.G. Gilbert) C. Jeffrey in Kew Bull.*, 43(2): 230 (1988): *V. galamensis* subsp. *gibbosa*.  
   *subsp. lushotoensis M.G. Gilbert in Kew Bull.*, 41(1): 30 (1986)—Tanzania, Uganda.  
   *var. lushotoensis (M.G. Gilbert) C. Jeffrey in Kew Bull.*, 43(2): 230 (1988): *V. galamensis* subsp. *lushotoensis*.  
   *subsp. mutomoensis M.G. Gilbert in Kew Bull.*, 41(1): 31 (1986)—Kenya.  
   *subsp. nairobiensis M.G. Gilbert in Kew Bull.*, 41(1): 28 (1986)—Kenya, Tanzania.  
   *var. petitiana (A. Rich.) M.G. Gilbert in Kew Bull.*, 41(1): 25 (1986): *V. petitiana*.  
 gerberiformis  
   *var. hockii (De Wild. & Muschl.) G.V. Pope in Kew Bull.*, 43(2): 280 (1988): *V. hockii*.  
   *subsp. macrocyanus (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 234 (1988): *V. macrocyanus*.  
 graniticola *G.V. Pope in Kew Bull.*, 43(2): 287 (1988)—Zimbabwe.  
 greggii  
   *var. ervendbergii (A. Gray) B.L. Turner in Phytologia*, 65(2): 136 (1988): *V. ervendbergii*.  
 griseopapposa *G.V. Pope in Kew Bull.*, 43(2): 282 (1988)—Zambia, Malawi, Burundi.  
 hochstetterii  
   *var. dekindtii (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 226 (1988): *V. dekindtii*.  
   *var. kivuensis (Humb. & Staner) C. Jeffrey in Kew Bull.*, 43(2): 226 (1988): *V. kivuensis*.  
 imeriensis *V.M. Badillo in Ernstia*, 53: 12 (1989)—Venezuela.  
 inhacensis *G.V. Pope in Kew Bull.*, 43(2): 280 (1988)—Mozambique, South Africa (Natal).  
 ituriensis  
   *var. occidentalis (C.D. Adams) C. Jeffrey in Kew Bull.*, 43(2): 231 (1988): *V. glabra* var. *occidentalis*.

**VERNONIA** :-

- jelfiae  
   *var. albida G.V. Pope in Kew Bull.*, 41(2): 394 (1986)—Zambia, Zaïre, Tanzania, Malawi, Zimbabwe.  
 kapolowensis *K. Kalanda in Bull. Jard. Bot. Nation. Belg.*, 57(1–2): 210 (1987)—Zaïre.  
 kayuniana *G.V. Pope in Kew Bull.*, 45(4): 697 (1990)—Malawi.  
 kigomae *C. Jeffrey in Kew Bull.*, 43(2): 214 (1988)—Tanzania.  
 lasiopus  
   *var. acuta C. Jeffrey in Kew Bull.*, 43(2): 239 (1988)—Uganda, Kenya, Tanzania, Zaïre, Burundi, Rwanda.  
   *var. caudata C. Jeffrey in Kew Bull.*, 43(2): 239 (1988)—Tanzania.  
   *var. grandiceps C. Jeffrey in Kew Bull.*, 43(2): 239 (1988)—Tanzania.  
   *var. iodocalyx (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 239 (1988): *V. iodocalyx*.  
 longipedunculata  
   *var. manikensis (De Wild.) G.V. Pope in Kew Bull.*, 43(2): 287 (1988): *V. manikensis*.  
   *var. retusa (R.E. Fr.) G.V. Pope in Kew Bull.*, 43(2): 287 (1988): *V. retusa*.  
 mbalensis *G.V. Pope in Kew Bull.*, 41(2): 395 (1986)—Zambia, Tanzania.  
 meiostephana *C. Jeffrey in Kew Bull.*, 43(2): 225 (1988), nom. nov.: *Erlangea vernonioides Muschl.*  
 melanocoma *C. Jeffrey in Kew Bull.*, 43(2): 247 (1988)—Tanzania, Burundi, Zaïre.  
 melleri  
   *var. superba (O. Hoffm.) C. Jeffrey in Kew Bull.*, 43(2): 233 (1988): *V. superba*.  
 mikumiensis *C. Jeffrey in Kew Bull.*, 43(2): 223 (1988)—Tanzania.  
 miombicoloides *C. Jeffrey in Kew Bull.*, 43(2): 246 (1988)—Tanzania.  
 muelleri  
   *subsp. brevicuspis G.V. Pope in Kew Bull.*, 43(2): 279 (1988)—Zambia, Tanzania, Malawi.  
   *subsp. integra C. Jeffrey in Kew Bull.*, 43(2): 226 (1988)—Tanzania.  
 musofensis  
   *var. miamensis (S. Moore) G.V. Pope in Kew Bull.*, 43(2): 281 (1988): *V. miamensis*.  
 nayarii *B.P. Uniyal in Indian J. Forest.*, 11(2): 171 (1988), nom. nov.: *V. recurva Bedd. ex S. Moore*.  
 nudiflora  
   *f. albiflora N.I. Matzenbacher in Comun. Mus. Ciênc. PUCRGS Sér. Bot.*, 30–39: 117 (1985)—Brazil.  
 obtusa  
   *var. bartlettii (S.B. Jones) B.L. Turner in Phytologia*, 66(5): 462 (1989): *V. duncanii* subsp. *bartlettii*.  
   *var. parkeri (S.B. Jones) B.L. Turner in Phytologia*, 66(5): 462 (1989): *V. obtusa* subsp. *parkeri*.  
 paraemulans *C. Jeffrey in Kew Bull.*, 43(2): 246 (1988)—Tanzania.  
 parapetersii *C. Jeffrey in Kew Bull.*, 43(2): 247 (1988)—Uganda, Tanzania, Rwanda.  
 peninsularis  
   *var. kodayarensis A.N. Henry & R. Gopalan in J. Econ. Taxon. Bot.*, 11(1): 233 (1987 publ. 1988)—India.  
 plumbaginifolia  
   *var. kenyensis C. Jeffrey in Kew Bull.*, 43(2): 245 (1988)—Kenya.  
 popeana *C. Jeffrey in Kew Bull.*, 43(2): 244 (1988)—Kenya, Uganda, Tanzania, Sudan, Ethiopia, Somali Republic.  
 poskeana  
   *subsp. botswana G.V. Pope in Kew Bull.*, 41(1): 39 (1986)—Botswana, Zimbabwe, Angola, Namibia, South Africa (Transvaal).  
 proctorii *L.E. Urbatsch in Syst. Bot.*, 14(4): 589 (1989)—Puerto Rico.  
 ruvungatundu *C. Jeffrey in Kew Bull.*, 43(2): 214 (1988)—Tanzania.  
 samfyana *G.V. Pope in Kew Bull.*, 41(1): 42 (1986)—Zambia, Angola.  
 stellulifera (*Benth.*) *C. Jeffrey in Kew Bull.*, 43(2): 225 (1988): *Herderia stellulifera*.  
 sylvicola *G.V. Pope in Kew Bull.*, 41(2): 395 (1986)—Zambia, Zaïre, Tanzania, Mozambique, Malawi, Zimbabwe, Angola.

**VERNONIA** :-

- teyucuaensis A.L. Cabrera in *Darwiniana*, 28(1-4): 187 (1987 publ. 1988)—Argentina.  
 timpermaniana K. Kalanda in *Bull. Jard. Bot. Nation. Belg.*, 57(1-2): 211 (1987)—Zaire.  
 tinctosetosa C. Jeffrey in *Kew Bull.*, 43(2): 245 (1988)—Uganda, Tanzania.  
 tricholoba C. Jeffrey in *Kew Bull.*, 43(2): 214 (1988)—Tanzania.  
 triflosculosa  
   var. palmeri (Rose) B.L. Turner in *Phytologia*, 66(5): 464 (1989): V. palmeri.  
 violaceopapposa  
   subsp. nuttii G.V. Pope in *Kew Bull.*, 43(2): 283 (1988)—Zambia, Tanzania.  
 vollesenii C. Jeffrey in *Kew Bull.*, 43(2): 222 (1988), as 'vollenseni'—Tanzania.  
 zambiana G.V. Pope in *Kew Bull.*, 43(2): 288 (1988)—Zambia.

**VERONICA** (Scrophulariac.).

- antalyensis M.A. Fischer, S. Erik & H. Sümbül in *Notes Roy. Bot. Gard. Edinburgh*, 44(1): 153 (1986)—Turkey.  
 ×cantiana D. McClintock in *Plantsman*, 10(4): 214 (1989)—Cultivation. (V. dabneyi × officinalis).  
 cetikiana A. Öztürk in *Davis & Hedge Festschrift (ed. Kit Tan)*: 60 (1989)—Turkey.  
 gentianoides  
   var. alpina A. Öztürk & M.A. Fischer in *Davis & Hedge Festschrift (ed. Kit Tan)*: 58 (1989)—Turkey.  
   subsp. glacialis (Nábělek) A. Öztürk & M.A. Fischer in *Davis & Hedge Festschrift (ed. Kit Tan)*: 58 (1989): V. gentianoides var. glacialis.  
 gryniiana M.V. Klokova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 99 (1975 publ. 1976)—U.S.S.R. (Ukraine, Moldavia).  
 kopgeciensis A. Öztürk & M.A. Fischer in *Davis & Hedge Festschrift (ed. Kit Tan)*: 54 (1989)—Turkey.  
 maeotica M.V. Klokova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 102 (1975 publ. 1976)—U.S.S.R. (Ukraine, Crimea, Caucasus).  
 miniana P. Baltasar Merino, *Algunas Pl. Rar. ... de La Guardia (Pontevedra)*: 24 (1995)—Spain.†  
 paczoskiana M.V. Klokova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 105 (1975 publ. 1976)—U.S.S.R. (Ukraine, White Russia).  
 ×pseudoorchidea (Pacz.) M.V. Klokova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 109 (1975 publ. 1976): V. spicata var. pseudoorchidea.  
 reptans D.H. Kent in *Watsonia*, 18(2): 213 (1990), nom. nov.: V. repens Clarion ex DC.  
 rosea  
   subsp. virgata (Emberger & Maire) A. Dobignard & D. Jordan in *Saussurea*, 18: 93 (1987): V. rosea var. virgata.  
 schmidtiana  
   f. pilosa T. Shimizu in *J. Phytogeogr. Taxon.*, 37(2): 120 (1989)—Japan.  
 telephifolia  
   subsp. glareosa (Somm. & Levier) M.A. Fischer in *Zam. Sist. Geogr. Rast.*, 41: 97 (1986): V. glareosa.  
 viscosula M.V. Klokova in *Novosti Sist. Vyssh. Nizsh. Rast. (Kiev)*, 1975: 96 (1975 publ. 1976)—U.S.S.R. (Crimea, Caucasus).

**VERONICASTRUM** (Scrophulariac.).

- borissovae (Czer.) J. Soják in *Sborn. Nár. Muz. Praze, B*, 39(1): 59 (1983): Leptandra borissovae.  
 japonicum (Nakai) T. Yamazaki in *J. Jap. Bot.*, 65(8): 241 (1990): Veronica virginica var. japonica.  
   var. australe (Yamazaki) T. Yamazaki in *J. Jap. Bot.*, 65(8): 242 (1990): V. sibiricum var. australe.  
   f. humile (Nakai) T. Yamazaki in *J. Jap. Bot.*, 65(8): 242 (1990): Veronica sibirica var. humile.  
 serpyllifolium  
   subsp. humifusum (Dicks.) W.A. Weber in *Phytologia*, 62(5): 437 (1987): Veronica humifusa.  
 sibiricum  
   subsp. yezoense (Hara) T. Yamazaki in *J. Jap. Bot.*, 65(8): 241 (1990): V. sibiricum var. yezoense.

**VERONICASTRUM** :-

- tubiflorum (Fisch. & Mey.) J. Soják in *Sborn. Nár. Muz. Praze, B*, 39(1): 59 (1983): Veronica tubiflora.

**VERRUCULARIA** A.H.L. de Jussieu, Malpigh. Syn.: 52 (May 1840), preprint from Ann. Sci. Nat., Bot., ser. 2, 13 (August 1840). **MALPIGHIACEAE**. †**VETIVERIA** (Gramin.).

- rigida B.K. Simon in *Austrobaileya*, 3(1): 95 (1989)—Australia (Queensland).

**VEXIBIA** (Legumin.).

- alopecurioides (L.) W.A. Weber in *Phytologia*, 62(5): 438 (1987): Sophora alopecurioides.  
 leachiana (M.E. Peck) W.A. Weber in *Phytologia*, 67(6): 428 (1989): Sophora leachiana.  
 nuttalliana (B.L. Turner) W.A. Weber in *Phytologia*, 62(5): 437 (1987): Sophora nuttalliana.  
 pachycarpa (C.A. Mey.) W.A. Weber in *Phytologia*, 62(5): 438 (1987): Sophora pachycarpa.  
 prodanii (E. Anderson) W.A. Weber in *Phytologia*, 62(5): 438 (1987): Sophora prodanii.  
 stenophylla (A. Gray) W.A. Weber in *Phytologia*, 62(5): 438 (1987): Sophora stenophylla.

**VEXILLABIUM** (Orchidac.).

- yakusimense  
   var. nakaianum (F. Maekawa) T.B. Lee in *J. Korean Pl. Taxon.*, 6(1-2): 18 (1975): V. nakaianum.

**VIBURNUM** (Caprifoliac.).

- atrocyaneum  
   subsp. harryanum (Rehd.) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 38 (1988): V. harryanum.  
 betulifolium  
   var. flocculosum (Rehd.) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 87 (1988): V. lobophyllum var. flocculosum.  
 chingii  
   var. carnosulum (W.W. Smith) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 46 (1988): V. erubescens var. carnosulum.  
   var. impressinervium (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 46 (1988): V. carnosulum var. impressinervium.  
 cotinifolium  
   var. lacei T.R. Dudley in *Feddes Repert.*, 97(3-4): 129 (1986)—Pakistan, India, Himalayas.  
   var. wallichii T.R. Dudley in *Feddes Repert.*, 97(3-4): 131 (1986)—Nepal.  
 cuspidatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
 dilatatum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
   var. fulvotomentosum (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 89 (1988): V. fulvotomentosum.  
 erosum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
 formosanum  
   var. pubigerum (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 95 (1988): V. formosanum var. pubigerum.  
 glomeratum  
   subsp. magnificum (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 24 (1988): V. veitchii subsp. magnificum.  
   subsp. rotundifolium (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 24 (1988): V. veitchii subsp. rotundifolium.  
 hirtum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
 macrophyllum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
 serratum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 294 (1784)—Japan.†  
 subalpinum  
   var. limitaneum (W.W. Smith) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 50 (1988): V. erubescens var. limitaneum.  
 tengyuehense  
   var. polyneurum (Hsu) P.S. Hsu in *Fl. Reipubl. Popul. Sin.*, 72: 60 (1988): V. oblongum var. polyneurum.

**VIBURNUM** :-

- thibeticum C.Y. Wu & Y.F. Huang in *Fl. Xizangica*, 4: 480 (1985)—Xizang.  
 tomentosum C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 295 (1784)—Japan.†  
 virens C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 294 (1784)—Japan.†

**VICATIA** (Umbellif.).

- bipinnata R.H. Shan & F.T. Pu in *Acta Phytotax. Sin.*, 24(4): 313 (1986)—China.

**VICIA** (Legumin.).

- abbreviata  
   subsp. balansae (Boiss.) A.K. Stankevich in *Sborn. Nauch. Tr. Prikl. Bot. Genet. Selek.*, 117: 89 (1988): V. balansae.  
 amurensis  
   f. sanneensis Y.Q. Jiang & S.M. Fu in *Fl. Intramongolica*, Ser. 2, 3: 673, 372 (1989)—China.  
 argaea (P. Davis) W. Greuter in *Willdenowia*, 16(1): 114 (1986): V. canescens subsp. argaea.  
 basaltica U. Plitmann in *Israel J. Bot.*, 36(1): 25 (1987)—Syria.  
 canescens  
   subsp. argentea (Lapeyr.) O. de Bolos & J. Vigo, *Fl. Paisos Catalans*: 505 (1984): V. argentea.  
 cracca  
   subsp. stenophylla (Velen.) C.D. Preston in A. Strid (ed.), *Mount. Fl. Greece*, 1: 485 (1986): V. tenuifolia subsp. stenophylla.  
 cusnae B. Foggi & C. Ricceri in *Webbia*, 43(1): 25 (1989)—Italy.  
 cristalioides N. Maxted in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 453 (1988 publ. 1989)—Turkey.  
 ferreirensis D.J. Goyder in *Bocagiana*, 113: 1 (1987), nom. nov.: V. portosanctana Menezes.  
 glauca  
   subsp. giennense (Cuatrec.) G. Blanca & F. Valle in *Monogr. Flora Veg. Betica*, 1: 27 (1986): V. glauca var. giennense.  
 incana  
   f. nugarrae A.M. Romo i Díez, *Fl. Veg. Montsec (Pre-Pirineus Catalans)*: 150 (1989)—Spain.  
 kalakhensis A. Khattab, N. Maxted & F.A. Bisby in *Kew Bull.*, 43(3): 535 (1988)—Syria.  
 latibracteolata K.T. Fu in *Fl. Tsinlingensis*, 1(3): 449, 92 (1981)—China.  
   var. acerosa K.T. Fu in *Fl. Tsinlingensis*, 1(3): 449, 93 (1981)—China.  
 linearifolia Y.N. Lee in *Korean J. Bot.*, 25(4): 176 (1982)—Korea.  
 lutea  
   subsp. cavanillesii (Martinez) C. Romero Zarco in *Lagascalia*, 14(1): 141 (1986): V. cavanillesii.  
 ochroleuca  
   subsp. atlantica (Pomel) Quézel & Santa ex W. Greuter & Burdet in *Willdenowia*, 16(2): 447 (1987): V. atlantica.  
   subsp. baborensis (Batt. & Trabut) Quézel & Santa ex W. Greuter & Burdet in *Willdenowia*, 16(2): 447 (1987): V. baborensis.  
 onobrychioides  
   subsp. alborosea A. Dobignard in *Saussurea*, 19: 100 (1988 publ. 1989)—Morocco.  
 perelegans K.T. Fu in *Fl. Tsinlingensis*, 1(3): 449, 93 (1981)—China.  
 sativa  
   var. angustifolia (L.) H.T. Ho in *Fl. Fujianica*, 3: 96 (1987 publ. 1988): V. angustifolia.  
   subsp. consobrina (Pomel) W. Greuter & Burdet in *Willdenowia*, 19(1): 34 (1989): V. consobrina.  
   subsp. terana (Losa) C. Benedi & J. Molero in *Bol. Soc. Brot.*, 59: 64 (1986): Vicia terana.  
 taipaica K.T. Fu in *Fl. Tsinlingensis*, 1(3): 448, 92 (1981)—China.  
 tenuifolia  
   subsp. atroviolacea (Bornm.) W. Greuter & Burdet in *Willdenowia*, 16(2): 447 (1987): V. tenuifolia var. atroviolacea.  
   subsp. dalmatica (A. Kerner) W. Greuter in *Willdenowia*, 16(1): 114 (1986): V. dalmatica.  
   subsp. villosa (Battand.) W. Greuter in *Willdenowia*, 16(1): 114 (1986): V. tenuifolia var. villosa.

**VICIA** :-

- venosa  
*var. glabristyla* Y. Endo & H. Ohashi in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(2): 135 (1986)—Japan.  
*var. stolonifera* Y. Endo & H. Ohashi in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(2): 135 (1986)—Japan.  
*var. yamanakae* Y. Endo & H. Ohashi in *Sci. Rep. Tohoku Univ.*, Ser. 4, 39(2): 135 (1986)—Japan.  
villosa  
*subsp. ambigua* (Guss.) M. Kerguelen in *Lejeunia*, 120: 183 (1987): V. *ambigua*.  
*subsp. elegantissima* (Shuttlew. ex Rouy) G. Bosc & M. Kerguelen in *Lejeunia*, 120: 183 (1987): V. *elegantissima*.  
woroschilovii N.S. Pavlova in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 4: 303 (1989), nom. nov.: V. *pallida Turcz.*

**VIETNAMOSASA** Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 221 (1990). GRAMINEAE.

- ciliata (A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 222 (1990): Arundinaria ciliata.  
darlacensis Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 221 (1990)—Vietnam.  
pusilla (A. Chevalier & A. Camus) Nguyen To Quyen in *Bot. Zhurn.*, 75(2): 222 (1990): Arundinaria pusilla.

**VIETSENIA** (Melastomatac.).

- scaposa C. Hansen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 9(3): 260 (1987 publ. 1988)—Vietnam.

**VIGNA** (Legumin.).

- subgen. Catiang* (DC.) V. Jaaska & V. Jaaska in *Pl. Syst. Evol.*, 159(3-4): 157 (1988): Dolichos sect. Catiang.  
benuensis R.S. Pasquet & R. Maréchal in *Canad. J. Bot.*, 67(4): 949 (1989)—Cameroun.  
hainiana C.R. Babu, Gopinathan & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 15 (1985 publ. 1987), nom. nov.: Phaseolus wightii W. & A.  
lozanii (Rose) Lackey ex R. McVaugh, *Fl. Novo-Galiciana*, 5: 747 (1987): Phaseolus lozanii.  
minima  
*f. dimorphophylla* T.L. Wu in *Acta Bot. Austro Sinica*, 3: 20 (1986), nom. nov.: Phaseolus heterophyllus Hayata.  
nyangensis R. Mithen in *Kew Bull.*, 44(1): 175 (1989)—Zimbabwe, Angola.  
prainiana C.R. Babu & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 19 (1985 publ. 1987), nom. nov.: Phaseolus calcaratus var. gracilis Prain.  
ricciardiana (Tenore) C.R. Babu & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 21 (1985 publ. 1987): Phaseolus ricciardianus.  
*var. macrocarpa* (Prain) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 129 (1990): Phaseolus ricciardianus var. macrocarpa.  
strobilophora  
*var. buseri* (Micheli) R. McVaugh, *Fl. Novo-Galiciana*, 5: 751 (1987): Phaseolus buseri.  
*var. crassa* R. McVaugh, *Fl. Novo-Galiciana*, 5: 753 (1987)—Mexico.  
sublobata (Roxb.) G.C. Bairiganjan, P.C. Panda, B.P. Choudhury & S.N. Patnaik in *J. Econ. Taxon. Bot.*, 7(2): 274 (1985 publ. 1986): Phaseolus sublobatus.  
sublobata (Roxb.) C.R. Babu & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 21 (1985 publ. 1987), isonym: Phaseolus sublobatus.  
subramaniana (Babu ex Raizada) M. Sharma in *J. Econ. Taxon. Bot.*, 6(3): 736 (1985); et in *Geobios New Rep.*, 5(1): 54 (1986) as 'subramanianus': Phaseolus subramanianus.  
trilobata  
*var. pusilla* V.N. Naik & D.S. Pokle in *J. Econ. Taxon. Bot.*, 7(3): 670 (1985 publ. 1986)—India.  
vexillata  
*var. sepiaria* (Dalz.) C.R. Babu & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 27 (1985 publ. 1987): Phaseolus sepiarius.  
*var. wightii* (Benth. ex Baker) C.R. Babu & S.K. Sharma in *Bull. Bot. Surv. India*, 27(1-4): 28 (1985 publ. 1987): V. wightii.

**VIGUIERA** (Compos.).

- ser. Adenophyllae* J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 379 (1988).  
*subgen. Bahiopsis* (Kellogg) E.E. Schilling in *Madroño*, 37(3): 155 (1990): gen. Bahiopsis.  
*sect. Maculatae* (S.F. Blake) J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 377 (1988): V. *ser. Maculatae*.  
benziorum B.L. Turner in *Phytologia*, 63(6): 436 (1987)—Mexico.  
carterae E.E. Schilling in *Madroño*, 37(3): 157 (1990)—Mexico.  
coraniana A.A. Sáenz in *Parodiana*, 5(1): 26 (1987 publ. 1988)—Bolivia.  
eriophora  
*subsp. poblana* J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 389 (1988)—Mexico.  
*var. poblana* (Panero & Schilling) B.L. Turner in *Phytologia*, 66(5): 460 (1989) as 'poblano': V. *eriophora* subsp. poblana.  
excelsa  
*var. pachycephala* (DC.) B.L. Turner in *Phytologia*, 66(5): 460 (1989): Tithonia pachycephala.  
gentryi B.L. Turner in *Phytologia*, 66(5): 458 (1989)—Mexico.  
guerrerrana J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 396 (1988)—Mexico.  
hidalgoana E.E. Schilling & J.L. Panero in *Brittonia*, 42(1): 56 (1990)—Mexico.  
iltisii B.L. Turner in *Phytologia*, 66(6): 502 (1989)—Mexico.  
longifolia  
*var. annua* (Jones) S.L. Welsh in *S.L. Welsh et al., Utah Fl. (Great Basin Nat. Mem. 9)*: 238 (1987): Gymnolomia multiflora var. annua.  
mirandae J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 392 (1988)—Mexico.  
multiflora  
*var. macrocephala* (Heiser) B.L. Turner in *Phytologia*, 66(5): 460 (1989): Heliomeris multiflora var. macrocephala.  
nesonii B.L. Turner in *Phytologia*, 67(4): 339 (1989)—Mexico.  
palmeri  
*var. coalcomana* B.L. Turner in *Phytologia*, 63(6): 435 (1987)—Mexico.  
pinnatiloba  
*var. megaphylla* Butterwick ex B.L. Turner in *Phytologia*, 66(5): 461 (1989)—Mexico.  
reyrobinsonii B.L. Turner in *Phytologia*, 63(6): 435 (1987), nom. nov.: V. kingii H. Rob.  
sharpii J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 393 (1988)—Mexico.  
splendens J.L. Panero & E.E. Schilling in *Syst. Bot.*, 13(3): 404 (1988)—Mexico.  
superaxillaris (S.F. Blake) B.L. Turner in *Phytologia*, 69(1): 17 (1990): Hymenostephium superaxillare.  
torresii B.L. Turner in *Phytologia*, 66(5): 456 (1989)—Mexico.  
vorobikiae B.L. Turner in *Phytologia*, 63(6): 434 (1987), as 'vorobikae'—Mexico.

**VILLADIA** (Crassulac.).

- aristata R. Moran in *Cact. Succ. J. (U.S.A.)*, 62(4): 180 (1990)—Mexico.  
jimulcensis G.L. Nesom in *Sida*, 13(1): 21 (1988)—Mexico.

**VILLARSIA** (Menyanthac.).

- marchantii R. Ornduff in *Syst. Bot.*, 15(2): 216 (1990)—Australia (W. Australia).

**VINCETOXICUM** (Asclepiadac.).

- balfourianum (Schltr.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 46 (1989): Cynanchum forrestii var. balfourianum.  
biondioides (W.T. Wang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Cynanchum biondioides.  
chekiangense (M. Cheng) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Cynanchum chekiangense.  
daniloi (J. Rohlena) A.W. Hill in *Index Kewensis*, Supp. 6: 218 (1916-1920 publ. 1926): V. *hirundinaria* var. daniloi.

**VINCETOXICUM** :-

- forrestii (Schltr.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 46 (1989): Cynanchum forrestii.  
*var. stenolobum* (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum forrestii var. stenolobum.  
fuscatum (Hornem.) Endl., *Cat. Horti Vindob.*, 1: 474 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): Basionym not stated.  
glauescens (Decne.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Pentasachme glaucescens.  
gracilipes (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Cynanchum gracilipes.  
hancockianum (Maxim.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): V. mongolicum f.? hancockianum.  
hirundinaria  
*f. puberulum* (Beck) K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 68: 211 (1983): V. officinale var. puberulum.  
*var. timbal-lagavei* K. Sutorý in *Čas. Morav. Muz., Vědy Přír.*, 68: 212 (1983), nom. nov.: V. *puberulum Timb.-Lagr.*  
hydrophilum (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum hydrophilum.  
limprichtii (Schltr.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum limprichtii.  
matsumurae (Yamazaki) H. Ohashi in *J. Jap. Bot.*, 65(9): 277 (1990): Cynanchum matsumurae.  
muliense (Tsiang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 46 (1989): Cynanchum muliense.  
paniculatum (Bunge) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Asclepias paniculata.  
riparium (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum riparium.  
spirale (Forssk.) D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Asclepias spiralis.  
stauntonii (Decne.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Pentasachme stauntonii.  
steppicola (Hand.-Mazz.) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum steppicola.  
sublanceolatum  
*f. albiflorum* (Franch. & Sav.) H. Ohashi in *J. Jap. Bot.*, 65(9): 278 (1990): Tylophora japonica f. albiflora.  
taihangense (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 48 (1989): Cynanchum taihangense.  
verticillatum  
*var. arenicola* (Tsiang & Zhang) C.Y. Wu & D.Z. Li in *Acta Bot. Yunnanica*, 11(1): 47 (1989): Cynanchum verticillatum var. arenicola.  
yamanakae (Ohwi & Ohashi) H. Ohashi in *J. Jap. Bot.*, 65(9): 277 (1990): Cynanchum yamanakae.

**VIOLA** (Violac.).

- abulensis M.A. Fernández Casado & H.S. Nava Fernández in *An. Jard. Bot. Madrid*, 44(2): 306 (1987)—Spain.  
acrocerauniensis M. Erben in *Mitt. Bot. Staatssamml. München*, 22: 493 (1986)—Albania.  
arborescens  
*f. latifolia* (DC.) M.A. Fernández Casado in *Lagascalia*, 14(1): 136 (1986): V. arborescens var. latifolia.  
*f. willkommii* M.A. Fernández Casado in *Lagascalia*, 14(1): 136 (1986), without type, as nom. nov. but contrary to Art. 33.3 ICBN 1983—Spain.  
arvensis  
*subsp. megalantha* J.D. Nauenburg, *Untersuch. Variab. Ökol. & Syst. Viola tricolor-Gruppe Mitteleurop.* 81 (1986)—Switzerland, Austria, Italy.  
bezdelevae V.N. Voroshilov in *Byull. Mosk. Obshch. Ispyt. Prir., Biol.*, 92(1): 134 (1987)—Kuril Is.  
binayensis M. Okamoto & K. Ueda in *M. Kato, Taxon. Stud. Pl. Seram Is.*: 143 (1986), without latin descr. or type; et in *Acta Phytotax. Geobot.*, 37(1-3): 1 (1986), with latin descr. & type—Moluccas.



- VIOLA** :—  
 boissieuana  
 var. pseudoselkirkii (Nakai) T. Yahara in *J. Fac. Sci. Univ. Tokyo, Bot.*, 14(2): 96 (1987): V. pseudoselkirkii.  
 ×brauniae Grover ex T.S. Cooperrider in *Mich. Bot.*, 25(3): 108 (1986)—U.S.A. (Ohio). (V. rostrata × striata).  
 brevistipulata  
 f. albescens E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 chamissoniana  
 subsp. robusta (Hillebr.) W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Bishop Mus. Occas. Pap.*, 29: 117 (1989): V. robusta.  
 subsp. tracheliifolia (Ging.) W.L. Wagner, D.R. Herbst & S.H. Sohmer in *Bishop Mus. Occas. Pap.*, 29: 117 (1989): V. tracheliifolia.  
 chassanica R.I. Korkishko in *Bot. Zhurn.*, 71(1): 87 (1986)—U.S.S.R. (Soviet Far East), Korea.  
 cleistogamoides (L. Adams) R.D. Seppelt in *Fl. S. Australia*, 2: 870 (1986): V. hederacea subsp. cleistogamoides.  
 confusa  
 f. leucantha E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 diffusoides C.J. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 19 (1988)—China.  
 ×eclipses H.E. Ballard in *Mich. Bot.*, 28(4): 217 (1989)—U.S.A. (Michigan). (V. conspersa × striata).  
 erythraea (Fiori) E. Chiovenda in *Nuov. Giorn. Bot. Ital.*, n.s., 26: 149 (1919), as 'erythraea': V. cinerea var. erythraea.†  
 etrusca M. Erben in *Mitt. Bot. Staatssamml. München*, 22: 499 (1986)—Italy.  
 fauriana  
 f. albifauriana E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 guadalupensis A.M. Powell & B. Wauer in *Sida*, 14(1): 1 (1990)—U.S.A. (Texas).  
 guestphalica J.D. Nauenburg, *Untersuch. Variab. Okol. & Syst. Viola tricolor-Gruppe Mitteleuropa*: 98 (1986)—Germany.  
 hancockii  
 var. fangshanensis J.W. Wang in *Acta Phytotax. Sin.*, 27(3): 202 (1989)—China.  
 hawaiiensis H. St. John in *Bot. Jahrb.*, 111(2): 169 (1989)—Hawaiian Is.  
 hebeiensis J.W. Wang & T.G. Ma in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 130 (1988)—China.  
 hosakae H. St. John in *Bot. Jahrb.*, 111(2): 173 (1989)—Hawaiian Is.  
 kohalana (Rock) H. St. John in *Bot. Jahrb.*, 111(2): 179 (1989): V. maviensis var. kohalana.  
 koritnicensis I. Trinajstić in *Glasn. Priro. Muz. Beogradu*, B, 40: 28 (1985)—Yugoslavia.  
 lutea  
 subsp. calaminaria (Gingins) J.D. Nauenburg, *Untersuch. Variab. Okol. & Syst. Viola tricolor-Gruppe Mitteleuropa*: 92 (1986): V. sudetica var. (β) calaminaria.  
 mandshurica  
 f. albiikedaana E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 moupinensis  
 var. lijiangensis C.J. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 20 (1988)—China.  
 nagamiana T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 6: 1 (1987)—Taiwan.  
 nudicaulis (W. Beck.) S.Y. Chen in *Fl. Xizangica*, 3: 297 (1986), without basionym ref.: V. biflora var. nudicaulis.  
 obtusa  
 var. tsuifengensis T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 6: 3 (1987)—Taiwan.  
 praemorsa  
 subsp. flavovirens (Pollard) D.M. Fabijan in *Canad. J. Bot.*, 65(12): 2579 (1987): V. flavovirens.  
 ×preywischiana J.D. Nauenburg in *Flor. Rundbr.*, 21(1): 3 (1987)—Germany. (V. arvensis × guestphalica).  
 pyrenaica  
 subsp. montserratii M.A. Fernández Casado & H.S. Nava Fernández in *Candollea*, 41(1): 102 (1986)—Spain.  
 rockii H. St. John in *Bot. Jahrb.*, 111(2): 190 (1989)—Hawaiian Is.
- VIOLA** :—  
 sacchalinaensis  
 f. albialpina E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 f. chionantha E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 saxatilis  
 subsp. curtisii (E. Foster) J. Kirschner & V. Skalický in *Preslia*, 61(4): 317 (1989): V. curtisii.  
 subsp. polychroma (A. Kerner) J. Kirschner & V. Skalický in *Preslia*, 61(4): 317 (1989): V. polychroma.  
 sieboldii  
 f. albiflora E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 f. leucantha E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 spathulata  
 var. delirensis M. Khatamsaz in *Iranian J. Bot.*, 4(2): 177 (1989)—Iran.  
 var. latifolia Ghahreman ex M. Khatamsaz in *Iranian J. Bot.*, 4(2): 177 (1989)—Iran.  
 stoloniflora M. Yokota & S. Higa in *Bot. Mag. Tokyo*, 101(1061): 2 (1988)—Ryukyu Is.  
 tracheliifolia  
 f. canescens H. St. John in *Bot. Jahrb.*, 111(2): 194 (1989)—Hawaiian Is.  
 f. forbesii H. St. John in *Bot. Jahrb.*, 111(2): 194 (1989)—Hawaiian Is.  
 f. mauensis (Rock) H. St. John in *Bot. Jahrb.*, 111(2): 194 (1989): V. robusta var. mauensis.  
 f. olukelensis (Skotts.) H. St. John in *Bot. Jahrb.*, 111(2): 196 (1989): V. tracheliifolia var. olukelensis.  
 f. populifolia (Skotts.) H. St. John in *Bot. Jahrb.*, 111(2): 196 (1989): V. tracheliifolia var. populifolia.  
 f. puberula H. St. John in *Bot. Jahrb.*, 111(2): 196 (1989)—Hawaiian Is.  
 vallicola  
 var. major (Hook.) D.M. Fabijan in *Canad. J. Bot.*, 65(12): 2575 (1987): V. nuttallii var. major.  
 vanroyenii H. St. John in *Bot. Jahrb.*, 111(2): 198 (1989)—Hawaiian Is.  
 violacea  
 f. leucantha E. Hama, *Violets of Japan*: 181 (1987)—Japan.  
 weixiensis C.J. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(2): 17 (1988)—China.  
 yezeensis  
 var. hopeiensis (J.W. Wang & T.G. Ma) J.W. Wang & J. Yang in *Acta Phytotax. Sin.*, 27(3): 202 (1989): V. hopeiensis.
- VIRGILIA** (Legumin.).  
 oroboides  
 subsp. ferruginea B.-E. van Wyk in *S. Afr. J. Bot.*, 52(4): 351 (1986)—South Africa (Cape Province).
- VIOLA** (Myristicac.).  
 steyermarkii W.A. Rodrigues in *Ann. Missouri Bot. Gard.*, 76(4): 1164 (1989)—Venezuela.
- VISMIA** (Guttif.).  
 schultesii N.K.B. Robson in *Ann. Missouri Bot. Gard.*, 77(2): 410 (1990)—Colombia, Venezuela, Brazil, Ecuador, Peru.  
 steyermarkii N.K.B. Robson in *Ann. Missouri Bot. Gard.*, 77(2): 411 (1990)—Venezuela.  
 tenuinervia (E. v.d. Berg) N.K.B. Robson in *Ann. Missouri Bot. Gard.*, 77(2): 411 (1990): V. cayennensis var. tenuinervia.
- VISMANTHUS** (Connarac.).  
 sterculiifolius (Prain) F.J. Breteler & J. Brouwer in *Agric. Univ. Wageningen Pap.*, 89(6): 373 (1989): *Ellipanthus sterculiaefolius*.
- VITEX** (Verbenac.).  
 masoalensis G.E. Schatz in *Ann. Missouri Bot. Gard.*, 77(1): 207 (1990)—Madagascar.  
 ovata C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 578 (1784)—Japan.†  
 rotundifolia  
 f. albiflora S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 3; *Colour. Illustr. Ligneous Pl. Taiwan*, 1: 504 (1987)—Taiwan.
- VITEX** :—  
 taihangensis L.B. Guo & S.Q. Zhou in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(4): 61 (1989)—China.  
 ugogoensis B. Verdcourt in *Kew Bull.*, 45(4): 699 (1990)—Tanzania.  
 velutiniifolia A.A. Munir in *J. Adelaide Bot. Gard.*, 10(1): 59 (1987)—Australia (W. Australia).
- VITIS** (Vitac.).  
 aestivalis  
 var. smalliana (Bailey) B.L. Comeaux in *Sida*, 12(2): 286 (1987): V. smalliana.  
 amurensis  
 f. hermaphrodita J.Y. Li in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(2): 151 (1986)—Cultivation.  
 bryoniifolia  
 var. mairei (Lévl.) W.T. Wang in *Guihaia*, 8(2): 112 (1988): V. flexuosa var. mairei.  
 cinerea  
 var. baileyana (Munson) B.L. Comeaux in *Castanea*, 52(3): 212 (1987), basionym ref. date '1883' in error for '1893': V. baileyana.  
 heterophylla C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 244 (1784)—Japan.†  
 heyneana  
 var. glabra (Parker) H.B. Naithani & S. Biswas in *H.B. Naithani, Flow. Pl. India, Nepal & Bhutan*: 99 (1990): V. lanata var. glabra.  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 244 (1784)—Japan.†  
 jinzhaensis X.S. Shen in *Acta Phytotax. Sin.*, 27(4): 304 (1989)—China.  
 longquanensis P.L. Chiu in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 41 (1990)—China.  
 luochengensis W.T. Wang in *Guihaia*, 8(2): 110 (1988)—China.  
 micrantha (Wall.) W. Theobald in *F. Mason, Burmah*, ed. 3, 2: 563 (1883), nom. superfl.; cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Panax micranthum*.  
 nesbittiana B.L. Comeaux in *Sida*, 12(2): 273 (1987)—Mexico.  
 pentaphylla C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 244 (1784)—Japan.†  
 piasezkii  
 var. angusta W.T. Wang in *Guihaia*, 8(2): 112 (1988)—China.  
 shimenensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 77 (1989)—China.  
 vitiginea (L.) W. Theobald in *F. Mason, Burmah*, ed. 3, 2: 564 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Cissus vitiginea*.  
 wentsaiana P.L. Chiu in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 40 (1990)—China.  
 yuenlingensis W.T. Wang in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(1): 75 (1989)—China.  
 zhejiang-adstricta P.L. Chiu in *Bull. Bot. Res. North-East. Forest. Inst.*, 10(3): 39 (1990)—China.
- VOANIOALA** J. Dransfield in *Kew Bull.*, 44(2): 192 (1989). **PALMAE**.  
 gerardii J. Dransfield in *Kew Bull.*, 44(2): 195 (1989)—Madagascar.
- VOCHYSIA** (Vochysiac.).  
 hannekesaskiae L. Marcano-Berti in *Pittieria*, 18: 7 (1989)—Brazil.  
 julianensis L. Marcano-Berti in *Pittieria*, 18: 8 (1989)—Venezuela.  
 sabatieri L. Marcano-Berti in *Pittieria*, 18: 9 (1989)—French Guiana.  
 steyermarkiana L. Marcano Berti in *Pittieria*, 13: 10 (1986)—Venezuela.
- VOLKAMERIA** (Verbenac.).  
 japonica C.P. Thunberg ex A. Murray in *Linnaeus, Syst. Veg.*, ed. 14: 578 (1784)—Japan.†
- VOTOMITA** (Melastomatac.).  
 roraimensis T. Morley in *Ann. Missouri Bot. Gard.*, 76(2): 439 (1989)—Brazil.
- VOYRIA** (Gentianac.).  
 corymbosa  
 subsp. alba (Standley) P. Ruyters & P.J.M. Maas in *Fl. Neotrop.*, 41: 57 (1986): *Leiphaemos albus*.

**VRIESEA** (Bromeliac.).

- belloi *E.M.C. Leme in Bradea*, 5(16): 172 (1989)—Brazil.
- bi-beatricis *G. Morillo in Ernstia*, 39: 2 (1986)—Venezuela.
- debilis *E.M.C. Leme in Bradea*, 5(16): 173 (1989)—Brazil.
- declinata *E.M.C. Leme in Bradea*, 5(16): 174 (1989)—Brazil.
- dressleri *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 41 (1986)—Panama.
- duidae (*L.B. Smith*) *E.J. Gouda in Fl. Guianas, Ser. A*, 3(189): 72 (1987): *Tillandsia duidae*.
- farneyi *G. Martinelli & A. Costa in J. Bromeliad Soc.*, 40(4): 151 (1990)—Brazil.
- graciliscapa *W. Weber in Feddes Repert.*, 97(3–4): 104 (1986)—Brazil.
- noblickii *G. Martinelli & E.M.C. Leme in Bradea*, 4(43): 346 (1987)—Brazil.
- ochracea *W. Rauh & E. Gross in J. Bromeliad Soc.*, 37(5): 196 (1987)—Peru.
- odorata *E.M.C. Leme in Bradea*, 5(16): 175 (1989)—Brazil.
- ouroensis *W. Weber in Feddes Repert.*, 97(3–4): 106 (1986)—Brazil.
- parvula *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 58: 44 (1986)—Brazil.
- patzeltii  
var. *panamaensis* *W. Rauh in Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt*, 60: 86 (1987)—Panama.
- pleiosticha (*Grisebach*) *E.J. Gouda in Fl. Guianas, Ser. A*, 3(189): 82 (1987): *Tillandsia pleiosticha*.
- plurifolia *E.M.C. Leme in Bradea*, 4(39): 314 (1987)—Brazil.
- punctulata *E. Pereira & I. de A. Penna in Bradea*, 4(34): 272 (1986)—Brazil.
- rastrensis *E.M.C. Leme in Bradea*, 5(16): 176 (1989)—Brazil.
- roberto-seidelii *W. Weber in J. Bromeliad Soc.*, 36(1): 12 (1986)—Brazil.
- sceptum  
f. *flavobraceata* *E.M.C. Leme in Bradea*, 4(39): 317 (1987)—Brazil.
- schunkii *E.M.C. Leme in Bradea*, 4(50): 398 (1987)—Brazil.
- seideliana *W. Weber in Feddes Repert.*, 97(3–4): 108 (1986)—Brazil.
- weberi *E. Pereira & I. de A. Penna in Bradea*, 4(34): 273 (1986)—Brazil.

**VULPIA** (Gramin.).

- hispanica  
subsp. *montana* (*Boiss. & Reuter*) *J.A. Devesa in Lagasalia*, 14(1): 165 (1986): *Nardurus montanus*.
- incrassata *Steudel, Nomencl. Bot.*, ed. 2, 1: 229 (1840), nom. nov., illegit.: *Bromus tenuis* *Tineo*.
- membranacea  
subsp. *fasciculata* (*Forsskål*) *O. de Bolòs, R.M. Masalles & J. Vigo in Collect. Bot.*, 17(1): 96 (1987 publ. 1988): *Festuca fasciculata*.

**W****WAHLENBERGIA** (Campanulac.).

- appressifolia *O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 43(3): 350 (1986)—South Africa (Natal), Lesotho.
- aridicola *P.J. Smith in Fl. S. Australia*, 3: 1377 (1986)—Australia (S. Australia, New South Wales).
- caryophylloides *P.J. Smith in Nuytsia*, 7(1): 63 (1989)—Australia (Queensland, N. Terr., W. Australia).
- doleritica *O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 196 (1986)—South Africa (Natal).

**WAHLENBERGIA** :-

- hispidula (*Thunb.*) *Schrad., Ind. Sem. Hort. Acad. Gott.*, 1821: 4 (1821); cf. *D.J. Mabberley in Taxon*, 32(1): 86 (1983): Basionym not stated.
- litticola *P.J. Smith in Fl. S. Australia*, 3: 1380 (1986)—Australia (Victoria, New South Wales, W. Australia, S. Australia), Tasmania, New Zealand.
- lurida (*Lindl.*) *Manetti, Cat. Pl. Caes. Reg. Hort. Modic.*: 106 (1842); cf. *D.J. Mabberley in Taxon*, 33(3): 443 (1984): *Codonopsis lurida*.
- luteola *P.J. Smith in Fl. S. Australia*, 3: 1380 (1986)—Australia (New South Wales, Victoria, S. Australia).
- malaissei *M. Thulin in Nordic J. Bot.*, 7(3): 265 (1987)—Zaire.
- marunguensis *M. Thulin in Nordic J. Bot.*, 7(3): 264 (1987)—Zaire.
- pallidiflora *O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 43(3): 351 (1986)—South Africa (Natal).
- petraea *M. Thulin in Nordic J. Bot.*, 7(3): 262 (1987)—Burundi.
- polyphylla *M. Thulin in Nordic J. Bot.*, 7(3): 264 (1987)—Zaire.
- polytrichifolia  
subsp. *dracomontana* *O.M. Hilliard & B.L. Burt in Notes Roy. Bot. Gard. Edinburgh*, 43(2): 197 (1986)—South Africa (Natal), Lesotho.
- queenslandica *R.C. Carolin ex P.J. Smith in Fl. S. Australia*, 3: 1381 (1986)—Australia (Queensland, New South Wales, N. Terr., W. Australia, S. Australia).
- tetrameria *M. Thulin in Nordic J. Bot.*, 7(3): 261 (1987)—South Africa (Natal).
- tumidifructa *P.J. Smith in Fl. S. Australia*, 3: 1383 (1986)—Australia (New South Wales, Victoria, Queensland, N. Terr., W. Australia, S. Australia).

**WAITZIA** (Iridac.).

- crispa (*L.f.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- deusta (*Ait.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- fenestrata (*Jacq.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- flava (*Ait.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- lineata (*Salisb.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- longiflora (*Berg*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- miniata (*Jacq.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- squalida (*Ait.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.
- viridis (*Ait.*) *Kreysig, Verz. Warm Kalt Hauspfl. Dresden*: 52 (1829); cf. *D.J. Mabberley in Taxon*, 33(3): 434 (1984): Basionym not stated.

**WALAFRIDA** (Scrophulariac.).

- barabei *R. Mielcarek in Bull. Jard. Bot. Nation. Belg.*, 58(1–2): 122 (1988)—Zaire.

**WALLENIA** (Myrsinac.).

- formonensis *W.S. Judd in Sida*, 11(3): 329 (1986)—Hispaniola (Haiti).
- hughsonii *Alain H. Liogier in Phytologia*, 63(1): 65 (1987)—Hispaniola (Dominican Republic).

**WALTHERIA** (Sterculiac.).

- arenicola *A. Rodríguez Fuentes in Rev. Jard. Bot. Nacion. Univ. Habana*, 7(2): 30 (1986 publ. 1987)—Cuba.

**WARMINGIA** (Orchidac.).

- zamorana *C.H. Dodson in Ic. Pl. Trop.*, Ser. 2, 6: t. 599 (1989)—Ecuador.

**WATSONIA** (Iridac.).

- subsect. *Angustae* *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 109 (1989).*
- subsect. *Brevibractea* *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 87 (1989).*
- sect. *Gladioloides* *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 52 (1989).*
- subsect. *Grandibractea* *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 99 (1989).*
- amabilis *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 41 (1989)—South Africa (Cape Province).*
- amatolae *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 58 (1989)—South Africa (Cape Province).*
- bella *N.E. Brown ex P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 71 (1989)—Swaziland, South Africa (Transvaal).*
- borbonica (*Pourret*) *P. Goldblatt in Ann. Missouri Bot. Gard.*, 74(3): 571 (1987): *Lomenia borbonica*.
- subsp. *ardernei* (*Sander*) *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 35 (1989): W. ardernei.*
- canaliculata *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 83 (1989)—South Africa (Natal).*
- confusa *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 79 (1989), without latin descr.—South Africa (Natal, Cape Province).*
- elsiae *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 97 (1989)—South Africa (Cape Province).*
- inclinata *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 67 (1989)—South Africa (Natal, Cape Province).*
- minima *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 95 (1989)—South Africa (Cape Province).*
- mtamvunae *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 74 (1989)—South Africa (Natal, Cape Province).*
- paucifolia *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 56 (1989)—South Africa (Cape Province).*
- pondoensis *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 69 (1989)—South Africa (Natal, Cape Province).*
- pulchra *N.E. Brown ex P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 81 (1989)—Swaziland, South Africa (Natal, Transvaal).*
- rourkei *P. Goldblatt, Genus Watsonia (Ann. Kirstenbosch Bot. Gard., 19): 132 (1989)—South Africa (Cape Province).*

**WEBERA** (Rubiace.).

- curvata (*Teijsm. & Binn.*) *W. Theobald in F. Mason, Burmah*, ed. 3, 2: 427 (1883); cf. *D.J. Mabberley in Taxon*, 34(1): 155 (1985): *Gardenia curvata*.

**WEBERBAUERA** (Crucif.).

- chillanensis (*Philippi*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 244 (1990): *Draba chillanensis*.
- colchaguensis (*Barnéoud*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 241 (1990): *Cardamine colchaguensis*.
- cymosa *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 239 (1990)—Bolivia.
- densifolia *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 229 (1990)—Argentina.
- herzogii (*O.E. Schulz*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 236 (1990): *Sarcodraba herzogii*.
- imbricatifolia (*Barnéoud*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 247 (1990): *Draba imbricatifolia*.
- lagunae (*O.E. Schulz*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 246 (1990): *Stenodraba suffruticosa* var. *lagunae*.
- minutipila *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 231 (1990)—Peru, Bolivia.
- parvifolia (*Philippi*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 248 (1990): *Sisymbrium parvifolium*.
- retropila *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 234 (1990)—Bolivia.
- smithii *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 233 (1990)—Peru.
- stenophylla (*Leyb.*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 245 (1990): *Draba stenophylla*.
- suffruticosa (*Barnéoud*) *I.A. Al-Shehbaz in J. Arnold Arbor.*, 71(2): 247 (1990): *Draba suffruticosa*.

**WEBEROCEREUS** (Cactac.).

- glaber  
*var. mirandae* (Bravo) U. Eliasson in *Kaktus*, 21(2): 44 (1986): *Selenicereus mirandae*.  
*imitans* (Kimm. & Hutch.) F. Buxbaum in *Succulenta*, 57(6): 125 (1978): *Werckleocereus imitans*.  
*rosei* (Kimm.) F. Buxbaum in *Succulenta*, 57(6): 125 (1978): *Eccecmocactus rosei*.  
*rosei* (Kimmach) U. Eliasson in *Kaktus*, 21(2): 44 (1986), isonym: *Eccecmocactus rosei*.

**WEDELIA** (Compos.).

- aggregata (Greenm.) B.L. Turner in *Phytologia*, 65(5): 348 (1988): *Aspilia* (?) aggregata.  
*ayerscottiana* B.L. Turner in *Phytologia*, 60(2): 125 (1986)—Mexico.  
*chihuahuana* B.L. Turner in *Phytologia*, 65(5): 348 (1988)—Mexico.  
*cronquistii* B.L. Turner in *Phytologia*, 65(5): 351 (1988)—Mexico.  
*gentryi* B.L. Turner in *Phytologia*, 66(6): 500 (1989)—Mexico.  
*gonzaleziarum* B.L. Turner in *Phytologia*, 65(5): 349 (1988), as 'gonzalezorum'—Mexico.  
*greenmanii* B.L. Turner in *Phytologia*, 65(5): 351 (1988), nom. nov., with incorrect replaced synonym ref.: *Aspilia stenophylla* Greenman.  
*hintoniorum* B.L. Turner in *Phytologia*, 65(5): 352 (1988)—Mexico.  
*hispidula* (Baker) J.U.M. dos Santos in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 4(1): 154 (1988): *Aspilia hispidula*.  
*keilii* B.L. Turner in *Phytologia*, 65(5): 353 (1988)—Mexico.  
*montana*  
*var. pilosa* H. Koyama in *Acta Phytotax. Geobot.*, 36(4-6): 170 (1985)—Thailand, Nepal, India, Assam, Burma, China.  
*var. wallichii* (Less.) H. Koyama in *Acta Phytotax. Geobot.*, 36(4-6): 168 (1985): W. wallichii.  
*purpurea* (Greenm.) B.L. Turner in *Phytologia*, 65(5): 354 (1988): *Aspilia purpurea*.  
*scabra* (Cav.) B.L. Turner in *Phytologia*, 65(5): 354 (1988): *Bupththalmum scabrum*.  
*subalpestris* (Baker) J.U.M. dos Santos in *Bol. Mus. Paraense Emilio Goeldi, Bot.*, 2(1): 12 (1985): *Aspilia subalpestris*.  
*tehuantepecana* B.L. Turner in *Phytologia*, 65(5): 355 (1988)—Mexico.  
*thailandica* H. Koyama in *Acta Phytotax. Geobot.*, 36(4-6): 168 (1985)—Thailand.

**WEINGARTIA** (Cactac.).

- albaoides* F. Brandt in *Letzeb. Cacteeffren*, 4(8): 2-8 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985)—Locality not stated.  
*subsp. subfusca* F. Brandt in *Letzeb. Cacteeffren*, 4(11): 1-7 (1983); cf. *Repert. Pl. Succ. (I.O.S.)*, 34: 8 (1985)—Locality not stated.  
*columnaris* F.H. Brandt in *Kakt. Orchid. Rundschau*, 11(2-3): 18 (1986)—Bolivia.  
*hoffmanniana* F. Brandt in *Letzeb. Cacteeffren*, 5(11): 231-237 (1984), nom. nov.; cf. *Repert. Pl. Succ. (I.O.S.)*, 35: 5 (1985): *Lobivia hoffmanniana* Backeb.  
*minima* (Rausch) F.H. Brandt in *Kakt. Orchid. Rundschau*, 11(1): 2 (1986): *Sulcorebutia taratensis* var. *minima*.  
*miranda* F.H. Brandt in *Kakt. Orchid. Rundschau*, 10(4-5): 42 (1985)—Bolivia.  
*tarabucina* F. Brandt in *Letzeb. Cacteeffren*, 6(4): 57 (1985); cf. *Repert. Pl. Succ. (I.O.S.)*, 36: 10 (1985 publ. 1986)—Locality not stated.

**WEINMANNIA** (Cunoniace.).

- neblinensis* B. Maguire & J.A. Steyermark in *Mem. New York Bot. Gard.*, 51: 117 (1989)—Venezuela.

**WENDLANDIA** (Rubiace.).

- sericea* W.C. Chen in *Acta Bot. Austro Sinica*, 2: 41 (1986)—Laos.

**WESTRINGIA** (Labiata.).

- davidii* B.J. Conn in *Muelleria*, 6(5): 321 (1987)—Australia (New South Wales).  
*saxatilis* B.J. Conn in *Muelleria*, 6(5): 325 (1987)—Australia (New South Wales).

**WETTINIA** (Palmae).

- longipetala* A.H. Gentry in *Ann. Missouri Bot. Gard.*, 73(1): 160 (1986)—Peru.

**WHITFORDIODENDRON** (Legumin.).

- filipes*  
*var. tomentosum* Z. Wei in *Acta Phytotax. Sin.*, 27(1): 75 (1989)—China.

**WIDDRINGTONIA** (Cupressac.).

- nodiflora*  
*var. dracomontana* (Stapf) J. Silba in *Phytologia*, 68(1): 74 (1990): W. dracomontana.  
*var. whytei* (Rendle) J. Silba in *Phytologia*, 68(1): 74 (1990): W. whytei.

**WIGANDIA** (Hydrophyllac.).

- urens*  
*f. africana* (Brand) B. Verdcourt in *Fl. Trop. E. Afr., Hydrophyllac.*: 1 (1989): W. kunthii f. africana.

**WIGGINSIA** (Cactac.).

- schaeferiana* W.-R. Abraham & J. Theunissen in *Internoto*, 9(1): 24 (1988)—Uruguay.

**WIKSTROEMIA** (Thymelaeac.).

- ser. Brachystachyae* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 282 (1985).  
*ser. Haoianae* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 290 (1985).  
*ser. Lichiangense* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 284 (1985).  
*ser. Micranthae* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 282 (1985).  
*ser. Parviflorae* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 288 (1985).  
*ser. Scytophyllae* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 288 (1985).  
*anhuiensis* D.C. Zhang & X.P. Zhang in *Acta Phytotax. Sin.*, 28(2): 159 (1990)—China.  
*baimashanensis* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 286 (1985)—China.  
*capitatoracemosa* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 287 (1985), as 'capitato-racemosa'—China, Xizang.  
*cochlearifolia* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 290 (1985)—China.  
*glabra*  
*f. purpurea* (Cheng) S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 282 (1985): W. glabra var. *purpurea*.  
*huidongensis* C.Y. Chang in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 145 (1986)—China.  
*linearifolia* H.F. Zhou ex C.Y. Chang in *Guihaia*, 6(4): 270 (1986)—China.  
*longipaniculata* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 283 (1985)—China.  
*lungtzeensis* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 285 (1985)—Xizang.  
*micrantha*  
*var. paniculata* (Li) S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 283 (1985): W. paniculata.  
*monnula*  
*var. xiuningensis* D.C. Zhang & J.Z. Shao in *Acta Phytotax. Sin.*, 28(2): 162 (1990)—China.  
*oahuensis*  
*var. palustris* (Hochr.) B. Peterson in *Bishop Mus. Occas. Pap.*, 29: 116 (1989): W. palustris.  
*parviflora* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 289 (1985)—China.

- pilosa*  
*var. kulingensis* (Domke) S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 291 (1985): W. kulingensis.  
*stenophylla*  
*var. ziyangensis* C.Y. Yu in *Fl. Tsinlingensis*, 1(3): 455, 330 (1981)—China.  
*techinensis* S.C. Huang in *Acta Bot. Yunnanica*, 7(3): 284 (1985)—China.

**WILDEMANIODOXA** (Sapotac.).

- laurentii*  
*var. lundensis* (Cavaco) L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 556 (1988): *Chrysophyllum laurentii* var. *lundense*.

**WILLDENOWIA** (Restionac.).

- glomerata* (Thunb.) H.P. Linder in *Bothalia*, 15(3-4): 494 (1985): *Restio glomeratus*.

**WILLDENOWIA** :-

- incurvata* (Thunb.) H.P. Linder in *Bothalia*, 15(3-4): 494 (1985): *Restio incurvatus*.  
*rugosa* E.E. Esterhuysen in *Bothalia*, 15(3-4): 495 (1985)—South Africa (Cape Province).

**WILLIAMODENDRON** K. Kubitzki & H.G. Richter in *Bot. Jahrb.*, 109(1): 50 (1987). **LAURACEAE.**

- glaucophyllum* (van der Werff) K. Kubitzki & H.G. Richter in *Bot. Jahrb.*, 109(1): 58 (1987): *Mezilaurus glaucophylla*.  
*quadrilocellatum* (van der Werff) K. Kubitzki & H.G. Richter in *Bot. Jahrb.*, 109(1): 58 (1987): *Mezilaurus quadrilocellata*.  
*spectabile* K. Kubitzki & H.G. Richter in *Bot. Jahrb.*, 109(1): 50 (1987)—Brazil, Colombia.

**WINIFREDIA** L.A.S. Johnson & B.G. Briggs in *Telopea*, 2(6): 737 (1986). **RESTIONACEAE.**

- sola* L.A.S. Johnson & B.G. Briggs in *Telopea*, 2(6): 738 (1986)—Tasmania.

**WITHANIA** (Solanac.).

- qaraitica* A.G. Miller & J.A. Biagi in *Notes Roy. Bot. Gard. Edinburgh*, 45(1): 68 (1988)—Oman.  
*sphaerocarpa* F.N. Hepper & L. Boulos in *Kew Bull.*, 43(1): 123 (1988)—Ethiopia, Somali Republic.  
*var. grisea* F.N. Hepper & L. Boulos in *Kew Bull.*, 43(1): 123 (1988)—Somali Republic.

**WITHERINGIA** (Solanac.).

- filipes* Alain H. Liogier in *Phytologia*, 65(6): 421 (1989)—Hispaniola (Dominican Republic).  
*folliculoides* W.G. D'Arcy & J.L. Gentry in *Ann. Missouri Bot. Gard.*, 74(2): 453 (1987)—Costa Rica.  
*laxissima* (Standl.) W.G. D'Arcy, *Fl. Panama Checklist & Index*, 2 (Monogr. Syst. Bot. Missouri Bot. Gard. 18): 663, 362 (1987): *Lycianthes laxissima*.

**WITTROCKIA** (Bromeliac.).

- paradoxa* E.M.C. Leme in *Bradea*, 5(16): 170 (1989)—Brazil.  
*spiralipetala* E.M.C. Leme in *Bradea*, 5(16): 171 (1989)—Brazil.

**WOLFFIA** (Lemnac.).

- sect. Elongatae* E. Landolt in *Veröff. Geobot. Inst. Rübel*, 71: 452 (1986).  
*sect. Pigmentatae* E. Landolt in *Veröff. Geobot. Inst. Rübel*, 71: 452 (1986).  
*sect. Pseudorrhizae* E. Landolt in *Veröff. Geobot. Inst. Rübel*, 71: 451 (1986).

**WOLFFIELLA** (Lemnac.).

- sect. Rotundae* E. Landolt in *Veröff. Geobot. Inst. Rübel*, 71: 449 (1986).

**WRIGHTIA** (Apocynac.).

- coalita* F. Buchanan-Hamilton ex L.W. Dillwyn, *Rev. Hortus Malabar.*: 40 (1839); *fide* D.J. Mabberley in *Taxon*, 26(5-6): 533 (1977)—India.

**WURDACKANTHUS** (Gentianac.).

- frigidus* (Swartz) B. Maguire & B.M. Boom in *Mem. New York Bot. Gard.*, 51: 9 (1989): *Lisianthus frigidus*.

**WURMBEA** (Colchicac.).

- dolichantha* B. Nordenstam in *Op. Bot.*, 87: 14 (1986)—South Africa (Cape Province).  
*graniticola* T.D. Macfarlane in *Nuytsia*, 5(3): 407 (1986)—Australia (W. Australia).  
*hiemalis* B. Nordenstam in *Op. Bot.*, 87: 17 (1986)—South Africa (Cape Province).  
*inusta* (Baker) B. Nordenstam in *Op. Bot.*, 87: 18 (1986): W. capensis var. *inusta*.  
*marginata* (Desr.) B. Nordenstam in *Op. Bot.*, 87: 20 (1986): *Melanthium marginatum*.  
*monopetala* (L.f.) B. Nordenstam in *Op. Bot.*, 87: 22 (1986): *Melanthium monopetalum*.  
*murchisoniana* T.D. Macfarlane in *Nuytsia*, 5(3): 410 (1986)—Australia (W. Australia).  
*recurva* B. Nordenstam in *Op. Bot.*, 87: 23 (1986)—South Africa (Cape Province).  
*robusta* B. Nordenstam in *Op. Bot.*, 87: 25 (1986)—South Africa (Cape Province).

**WURMBEA :-**

- spicata  
var. *ustulata* (B. Nord.) B. Nordenstam in *Op. Bot.*, 87: 28 (1986): W. *ustulata*.  
variabilis B. Nordenstam in *Op. Bot.*, 87: 29 (1986)—South Africa (Cape Province).

**X****XANTHIUM** (Compos.).

- echinatum  
var. *cavanillesii* (Schouw) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): X. *cavanillesii*.  
subsp. *italicum* (Moretti) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): X. *italicum*.  
var. *italicum* (Moretti) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): X. *italicum*.  
spinosum  
f. *inermis* (Bel) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): X. *spinosum* var. *inermis*.  
strumarium  
subsp. *brasilicum* (Velloso) O. de Bolòs & J. Vigo in *Collect. Bot.*, 17(1): 90 (1987 publ. 1988): X. *brasilicum*.

**XANTHOCEPHALUM** (Compos.).

- eradiatum (M. Lane) G.L. Nesom in *Phytologia*, 66(6): 485 (1989): X. *gymnospermoides* var. *eradiatum*.

**XANTHOPHYLLUM** (Polygalac.).

- brigitiae R. van der Meijden in *Fl. Males.*, 10(3): 511 (1988)—Sumatra.

**XANTHOPHYTUM** (Rubiace.).

- alopecurum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 60 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 446 (1990)—Borneo (Sarawak).  
atopevense (Pierre ex Pitard) H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 32 (1986): *Paedicalyx atopevensis*.  
balansae (Pitard) H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 31 (1986): *Xanthophytopsis balansae*.  
borneense (Valeton) B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 73 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 458 (1990): X. *fruticosum* var. *borneensis*.  
brookei B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 62 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 449 (1990)—Borneo (Sarawak).  
cylindricum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 57 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 445 (1990)—Borneo (Kalimantan).  
foliaceum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 53 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 441 (1990)—Borneo (Kalimantan).  
glabrum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 64 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 450 (1990)—Borneo (Kalimantan, Sarawak, Brunei, Sabah).  
grandiflorum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 99 (1990), name not considered as valid by author; et in *Blumea*, 34(2): 479 (1990)—Louisiane Archipelago.  
kwangtungense (Chun & How) H.S. Lo in *Bull. Bot. Res. North-East. Forest. Inst.*, 6(4): 32 (1986): *Xanthophytopsis kwangtungensis*.  
magnisepalum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 101 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 482 (1990)—Louisiane Archipelago.

**XANTHOPHYTUM :-**

- minus B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 47 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 435 (1990)—Borneo (Sarawak).  
nitens B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 95 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 475 (1990)—New Guinea (Papua New Guinea, W. Irian), Louisiane Archipelago.  
pubistylusum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 80 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 464 (1990)—Borneo (Sarawak, Kalimantan).  
semiorbiculare (Bakh. f.) B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 51 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 441 (1990): X. *glomeratum* var. *semiorbiculare*.  
sessile B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 46 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 434 (1990)—Borneo (Sarawak).  
setosum B. Axelius, Gen. *Lerchea* & *Xanthophytum* from South-East Asia: 70 (1989), name not considered as valid by author; et in *Blumea*, 34(2): 456 (1990)—Borneo (Sarawak).

**XANTHORRHOEA** (Xanthorrhoeac.).

- acaulis (A. Lee) D.J. Bedford in *Fl. Australia*, 46: 225 (1986): X. *australis* subsp. *acaulis*.  
arenaria D.J. Bedford in *Fl. Australia*, 46: 225, 167 (1986)—Tasmania.  
brunonis  
subsp. *semibarbata* D.J. Bedford in *Fl. Australia*, 46: 225, 157 (1986)—Australia (W. Australia).  
caespitosa D.J. Bedford in *Fl. Australia*, 46: 226, 167 (1986)—Australia (S. Australia).  
concava (A. Lee) D.J. Bedford in *Fl. Australia*, 46: 226 (1986): X. *resinosa* subsp. *concava*.  
fulva (A. Lee) D.J. Bedford in *Fl. Australia*, 46: 226 (1986): X. *resinosa* subsp. *fulva*.  
glauca D.J. Bedford in *Fl. Australia*, 46: 226, 164 (1986)—Australia (Queensland, New South Wales).  
subsp. *angustifolia* D.J. Bedford in *Fl. Australia*, 46: 226, 165 (1986)—Australia (New South Wales).  
latifolia (A. Lee) D.J. Bedford in *Fl. Australia*, 46: 227 (1986): X. *media* subsp. *latifolia*.  
subsp. *maxima* D.J. Bedford in *Fl. Australia*, 46: 227, 163 (1986)—Australia (New South Wales).  
malacophylla D.J. Bedford in *Fl. Australia*, 46: 227, 164 (1986)—Australia (New South Wales).  
minor  
subsp. *lutea* D.J. Bedford in *Fl. Australia*, 46: 228, 166 (1986)—Australia (Victoria, S. Australia).  
platyphylla D.J. Bedford in *Fl. Australia*, 46: 228, 157 (1986)—Australia (W. Australia).  
sempiiana  
subsp. *tateana* (F. Muell.) D.J. Bedford in *Fl. Australia*, 46: 229 (1986): X. *tateana*.

**XANTHOSIA** (Umbellif.).

- bungei G.J. Keighery in *Nordic J. Bot.*, 8(5): 445 (1989)—Australia (W. Australia).

**XANTHOSOMA** (Arac.).

- akkermansii (Bunting) T.B. Croat in *Aroideana*, 9(1-4): 176 (1986): *Caladium akkermansii*.  
bolivaranum G.S. Bunting in *Phytologia*, 60(5): 339 (1986)—Venezuela.  
caladioides M.H. Grayum in *Ann. Missouri Bot. Gard.*, 73(2): 471 (1986)—Panama.  
contractum G.S. Bunting in *Phytologia*, 64(6): 483 (1988)—Venezuela.  
exiguum G.S. Bunting in *Phytologia*, 64(6): 485 (1988)—Venezuela.  
maffoides G.S. Bunting in *Phytologia*, 64(6): 485 (1988)—Venezuela.  
maroae G.S. Bunting in *Phytologia*, 60(5): 341 (1986)—Venezuela.  
plowmanii J. Bogner in *Aroideana*, 8(4): 112 (1985 publ. 1986)—Brazil.

**XANTHOSTEMON** (Myrtac.).

- formosus Peter G. Wilson in *Telopea*, 3(4): 462 (1990)—Australia (Queensland).

**XANTHOSTEMON :-**

- graniticus Peter G. Wilson in *Telopea*, 3(4): 470 (1990)—Australia (Queensland).  
petiolatus (Valeton) Peter G. Wilson in *Telopea*, 3(4): 459 (1990): *Nania petiolata*.  
verus (Roxb.) Peter G. Wilson in *Telopea*, 3(4): 459 (1990): *Metrosideros vera*.  
xerophilus Peter G. Wilson in *Telopea*, 3(4): 465 (1990)—Australia (Queensland).

**XANTHOXALIS** (Oxalidac.).

- grenadensis (Urban) Tzvel. ex N.S. Probatova & A.P. Sokolovskaya in *Bot. Zhurn.*, 73(2): 292 (February 1988), see also N.N. Tzelev in *Sosud. Rast. Sovet. Dal'nego Vostoka*, 3: 139 (1988): *Oxalis grenadensis*.

**XEROLIRION** A.S. George in *Fl. Australia*, 46: 229, 98 (1986). **XANTHORRHOACEAE.**

- divaricata A.S. George in *Fl. Australia*, 46: 230, 98 (1986)—Australia (W. Australia).

**XEROMPHIS** (Rubiace.).

- uliginosa (Retz.) J.K. Maheshwari in *Bull. Bot. Soc. Univ. Saugar*, 10(1-2): 39 (1958 publ. 1961); et in *Bull. Bot. Surv. Ind.*, 3: 92 (1962): *Gardenia uliginosa*.†

**XEROPHYLLUM** (Melanthiac.).

- sabadilla (Retz.) D. Don ex G. Don f. in *Loud., Hort. Brit.*, ed. 2: 602 (1832); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981): *Veratrum sabadilla*.

**XEROPHYTA** (Velloziac.).

- longicaulis O.M. Hilliard in *Notes Roy. Bot. Gard. Edinburgh*, 43(3): 405 (1986)—South Africa (Natal).  
rippsteinii L.B. Smith, J.-P. Lebrun & A.L. Stork in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 8(3): 297 (1986)—Ethiopia.

**XEROSIPHON** (Amaranthac.).

- angustiflorus (Mart.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 95 (1990): *Gomphrena angustiflora*.  
aphyllus (Pohl ex Moq.) T.M. Pedersen in *Bull. Mus. Nation. Hist. Nat., B. Adansonia*, Ser. 4, 12(1): 95 (1990): *Gomphrena aphylla*.

**XEROSPHAERA** J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986). **LEGUMINOSAE.**

- bullata (Boiss. & Hausskn.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium bullatum*.  
clusii (Godr. & Gren.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium clusii*.  
fragifera (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium fragiferum*.  
subsp. *bonannii* (Presl) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium bonannii*.  
physodes (Stev. ex Marschall-Bieberstein) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium physodes*.  
raddeana (Trautv.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium raddeanum*.  
resupinata (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium resupinatum*.  
tomentosa (L.) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium tomentosum*.  
tumens (Stev. ex Marschall-Bieberstein) J. Soják in *Čas. Nár. Muz. (Prague)*, 154(1): 35 (1985 publ. 1986): *Trifolium tumens*.

**XEROSPIRAEA** J. Henrickson in *Aliso*, 11(2): 206 (1985 publ. 1986). **ROSACEAE.**

- hartwegiana (Rydb.) J. Henrickson in *Aliso*, 11(2): 206 (1985 publ. 1986): *Spiraea hartwegiana*.

**XEROTHAMNELLA** (Acanthac.).

- herbacea R.M. Barker in *J. Adelaide Bot. Gard.*, 9: 169 (1986)—Australia (Queensland).



**XIZANGIA** D.Y. Hong in *Acta Phytotax. Sin.*, 24(2): 139 (1986). *SCROPHULARIACEAE*.  
*serrata* D.Y. Hong in *Acta Phytotax. Sin.*, 24(2): 141 (1986)—Xizang.

**XYLIA** (Legumin.).  
*xylocarpa* (Roxb.) W. Theobald in F. Mason, *Burmah*, ed. 3, 2: 541 (1883); cf. D.J. Mabberley in *Taxon*, 34(1): 155 (1985): *Mimosa xylocarpa*.

**XYLINABARIOPSIS** (Apocynac.).  
*xylinabariopsoides* (Tsiang) Trần Đình Lý in *Feddes Repert.*, 97(9-10): 679 (1986): *Chunechites xylinabariopsoides*.

**XYLOBIUM** (Orchidac.).  
*racemosum* (Hook.) Sweet, *Hort. Brit.*, ed. 2: 489 (1830); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981): Basionym not stated.

**XYLOCALYX** (Scrophulariac.).  
*carterae* M. Thulin in *Nordic J. Bot.*, 7(3): 267 (1987), as 'carteriae'—Somali Republic.

**XYLOMELUM** (Proteac.).  
*cunninghamianum* D.B. Foreman in *Muelleria*, 6(5): 299 (1987)—Australia (New South Wales, Queensland).

**XYLOPHYLLA** (Euphorbiac.).  
*epiphyllanthus* (L.) Hornem., *Hort. Hafn.*: 961 (1815); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984): *Phyllanthus epiphyllanthus*.

**XYLOSMA** (Flacourtiac.).  
*iberiensis* J. Gutiérrez Amaro in *Rev. Jard. Bot. Nacion. Univ. Habana*, 7(1): 15 (1986 publ. 1987), as 'iberiense'—Cuba.  
*japonicum*  
*var. pubescens* (Rehd. & Wils.) C.Y. Chang in *Fl. Tsinlingensis*, 1(3): 324 (1981): *X. racemosum*  
*var. pubescens*.

**XYLOTHAMIA** G.L. Nesom, Y. Suh, D.R. Morgan & B.B. Simpson in *Sida*, 14(1): 106 (1990). *COMPOSITAE*.  
*diffusa* (Benth.) G.L. Nesom in *Sida*, 14(1): 109 (1990): *Ericameria diffusa*.  
*johnstonii* G.L. Nesom in *Sida*, 14(1): 110 (1990)—Mexico.  
*palmeri* (A. Gray) G.L. Nesom in *Sida*, 14(1): 110 (1990): *Aster palmeri*.  
*parrasana* (S.F. Blake) G.L. Nesom in *Sida*, 14(1): 111 (1990): *Ericameria parrasana*.  
*pseudobaccharis* (S.F. Blake) G.L. Nesom in *Sida*, 14(1): 112 (1990): *Haplopappus pseudobaccharis*.  
*purpusii* (Brandege) G.L. Nesom in *Sida*, 14(1): 112 (1990): *Ericameria purpusii*.  
*riskindii* (B. Turner & Langford) G.L. Nesom in *Sida*, 14(1): 113 (1990): *Ericameria riskindii*.  
*triantha* (S.F. Blake) G.L. Nesom in *Sida*, 14(1): 113 (1990): *Aplopappus trianthus*.

**XYRIS** (Xyridac.).  
*aracamunae* R. Kral in *Ann. Missouri Bot. Gard.*, 76(4): 975 (1989)—Venezuela.  
*atriceps*  
*subsp. marahuacae* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 557 (1988)—Venezuela.  
*bicostata*  
*var. tillettii* (L.B. Smith) R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 675 (1988): *X. tillettii*.  
*brachyfolia* R. Kral & Wanderley in *Ann. Missouri Bot. Gard.*, 75(2): 544 (1988)—Brazil.  
*brachysepala* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 654 (1988)—Brazil.  
*byssacea* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 690 (1988)—Venezuela.  
*calderonii* R. Kral, L.B. Smith & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 74(4): 913 (1987 publ. 1988); et in *Ann. Missouri Bot. Gard.*, 75(2): 626 (1988)—Brazil.  
*chapmanii* E.L. Bridges & S.L. Orzell in *Phytologia*, 68(5): 383 (1990)—U.S.A. (Texas, Alabama, Florida, Mississippi).  
*coutensis* M. das Graças L. Wanderley & T.M. Cerati in *Brittonia*, 39(2): 300 (1987)—Brazil.

**XYRIS** :-  
*curassavica* R. Kral & A. Urquiola in *Ann. Missouri Bot. Gard.*, 74(3): 661 (1987)—Cuba.  
*cylindrostachya* R. Kral & Wanderley in *Ann. Missouri Bot. Gard.*, 75(2): 652 (1988)—Brazil.  
*diaphanobracteata* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 352 (1988)—Brazil.  
*dilungensis* B. Brylska in *Bull. Jard. Bot. Nation. Belg.*, 60(1-2): 139 (1990)—Zaire.  
*dissitifolia* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 353 (1988)—Brazil.  
*fuliginea* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 612 (1988)—Venezuela.  
*graniticola* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 573 (1988)—Venezuela.  
*huberi* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 571 (1988), nom. nov.: *X. foveolata* Kral & L.B. Smith.  
*itambensis* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 355 (1988)—Brazil.  
*jataiana* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 357 (1988)—Brazil.  
*jolyi* M. das Graças L. Wanderley & T.M. Cerati in *Brittonia*, 39(2): 298 (1987)—Brazil.  
*kukenaniana* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 719 (1988)—Venezuela.  
*kundelungensis* B. Brylska in *Bull. Jard. Bot. Nation. Belg.*, 58(3-4): 549 (1988)—Zaire.  
*liesneri* R. Kral in *Ann. Missouri Bot. Gard.*, 76(4): 977 (1989)—Venezuela.  
*lithophila* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 704 (1988)—Venezuela.  
*louisianica* E.L. Bridges & S.L. Orzell in *Phytologia*, 64(1): 56 (1987)—U.S.A. (Louisiana, Mississippi, Texas).  
*lutescens* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 359 (1988)—Brazil.  
*melanovaginata* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 593 (1988)—Venezuela.  
*obcordata* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 361 (1988)—Brazil.  
*oblata* R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 686 (1988)—Venezuela.  
*paleacea* R. Kral & A. Urquiola in *Ann. Missouri Bot. Gard.*, 74(3): 664 (1987)—Cuba.  
*pallidula* R. Kral & Wanderley in *Ann. Missouri Bot. Gard.*, 75(2): 562 (1988)—Brazil.  
*paradisica* M. das Graças L. Wanderley in *Hoehnea*, 13: 31 (1986)—Brazil.  
*pectinata* R. Kral, L.B. Smith & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 74(4): 912 (1987 publ. 1988); et in *Ann. Missouri Bot. Gard.*, 75(2): 666 (1988)—Brazil.  
*pranceana* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 364 (1988)—Brazil.  
*prolifans* R. Kral in *Ann. Missouri Bot. Gard.*, 76(4): 980 (1989)—Venezuela.  
*sceptrifera* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 366 (1988)—Brazil.  
*seubertii*  
*var. espinhae* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 368 (1988)—Brazil.  
*thysanolepis*  
*var. sipapoa* (Maguire & L.B. Smith) R. Kral & L.B. Smith in *Ann. Missouri Bot. Gard.*, 75(2): 604 (1988): *X. sipapoa*.  
*toronoana* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 643 (1988)—Venezuela.  
*valdeapiculata* R. Kral in *Ann. Missouri Bot. Gard.*, 75(2): 588 (1988)—Venezuela.  
*villosicarinata* R. Kral & M. das Graças L. Wanderley in *Ann. Missouri Bot. Gard.*, 75(1): 370 (1988)—Brazil.

**XYSMALOBIMUM** (Asclepiadac.).  
*fluviale* P. Bruyns in *S. Afr. J. Bot.*, 56(1): 125 (1990)—South Africa (Cape Province).  
*gompocarpoides*  
*var. parvifolium* P. Bruyns in *S. Afr. J. Bot.*, 56(1): 127 (1990)—South Africa (Cape Province).

## Y

**YAKIRRA** (Gramin.).  
*australiensis*  
*var. intermedia* R.D. Webster, *Australian Paniceae* (Poac.): 266 (1987)—Australia (W. Australia, N. Terr., Queensland).  
*foliolosa* (Hook. f.) W.D. Clayton in *Kew Bull.*, 42(2): 403 (1987): *Ichnanthus foliolosus*.

**YEATESIA** (Acanthac.).  
*mabryi* R.A. Hilsenbeck in *Syst. Bot.*, 14(3): 436 (1989)—Mexico.  
*platystegia* (Torrey) R.A. Hilsenbeck in *Syst. Bot.*, 14(3): 435 (1989): *Tetramerium platystegium*.

**YINSHANIA** (Crucif.).  
*ser. Henryanae* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 213 (1987).  
*sect. Microcarpa* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 210 (1987).  
*acutangula* (O.E. Schulz) Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 217 (1987): *Cochlearia acutangula*.  
*var. albiflora* (Ma & Y.Z. Zhao) Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 217 (1987): *Y. albiflora*.  
*furcatopilosa* (Kuan) Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 214 (1987): *Cochlearia furcatopilosa*.  
*ganluoensis* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 211 (1987)—China.  
*henryi* (Oliv.) Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 213 (1987): *Nasturtium henryi*.  
*microcarpa* (Kuan) Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 211 (1987): *Cochlearia microcarpa*.  
*qianningensis* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 212 (1987)—China.  
*var. brachybotrys* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 213 (1987)—China.  
*wenxianensis* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 215 (1987)—China.  
*var. songpanensis* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 216 (1987)—China.  
*zayuensis* Y.H. Zhang in *Acta Phytotax. Sin.*, 25(3): 214 (1987)—Xizang, China.

**XYONEZAWAARA** hort. in *Orchid Rev.*, 98(1156): centre page pull-out p. 10 (1990). *ORCHIDACEAE*. (Neofinetia × Rhynchostylis × Vanda).

**YOUNGIA** (Compos.).  
*taiwaniana* S.S. Ying, *Colour. Illustr. Pl. Taiwan*, Pt. 4: *Colour. Illustr. Herbac. Pl. Taiwan*, Vol. 1: 186 (1980)—Taiwan.

**YPSILANDRA** (Melanthiac.).  
*kansuensis* R.N. Zhao & Z.X. Peng in *Acta Bot. Bor.-Occid. Sin.*, 7(1): 57 (1987)—China.

**YUA** C.L. Li in *Acta Bot. Yunnanica*, 12(1): 2 (1990). *VITACEAE*.  
*austroorientalis* (Metcalfe) C.L. Li in *Acta Bot. Yunnanica*, 12(1): 7 (1990): *Parthenocissus austroorientalis*.  
*thomsonii* (Laws.) C.L. Li in *Acta Bot. Yunnanica*, 12(1): 5 (1990): *Vitis thomsonii*.  
*var. glaucescens* (Diels & Gilg) C.L. Li in *Acta Bot. Yunnanica*, 12(1): 6 (1990): *Parthenocissus henryana* var. *glaucescens*.

**YUCCA** (Agavac.).  
*boscii* Hort. Par. ex Hornem., *Hort. Hafn.*: 342 (1813); cf. D.J. Mabberley in *Taxon*, 33(3): 438 (1984)—Locality not stated.  
*harrimaniae*  
*var. sterilis* E. Neese & S.L. Welsh in *Great Basin Nat.*, 45(4): 789 (1985)—U.S.A. (Utah).

**YUSHANIA** (Gramin.).  
*sect. Confusae* T.P. Yi in *J. Bamboo Res.*, 5(1): 8 (1986).  
*andropogonoides* (Hand.-Mazz.) T.P. Yi in *J. Bamboo Res.*, 5(1): 66 (1986): *Indocalamus andropogonoides*.  
*bojieiana* T.P. Yi in *J. Bamboo Res.*, 5(1): 8 (1986)—China.

**YUSHANIA** :-

- brevipaniculata (Hand.-Mazz.) T.P. Yi in *J. Bamboo Res.*, 5(1): 44 (1986): *Arundinaria brevipaniculata*.  
 brevis T.P. Yi in *J. Bamboo Res.*, 5(1): 11 (1986)—China.  
 canoviridis G.H. Ye & Z.P. Wang in *Acta Phytotax. Sin.*, 27(3): 228 (1989)—China.  
 chingii T.P. Yi in *J. Bamboo Res.*, 5(1): 45 (1986)—China.  
 collina T.P. Yi in *J. Bamboo Res.*, 5(1): 13 (1986)—China.  
 complanata T.P. Yi in *J. Bamboo Res.*, 5(1): 15 (1986)—China.  
 crassicolis T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 68 (1988)—China.  
 elevata T.P. Yi in *J. Bamboo Res.*, 5(1): 17 (1986)—China.  
 exilis T.P. Yi in *J. Bamboo Res.*, 5(1): 20 (1986)—China.  
 falcataurita Hsueh & T.P. Yi in *J. Bamboo Res.*, 5(1): 22 (1986)—China.  
 farcticaulis T.P. Yi in *J. Bamboo Res.*, 5(1): 24 (1986)—China.  
 flexa T.P. Yi in *Acta Phytotax. Sin.*, 25(6): 480 (1987)—China.  
 glandulosa Hsueh & T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 73 (1988)—China.  
 glauca T.P. Yi & T.L. Long in *J. Bamboo Res.*, 8(2): 33 (1989)—China.  
 grummata T.P. Yi in *J. Bamboo Res.*, 9(3): 30 (1990)—China.  
 laetevirens T.P. Yi in *J. Bamboo Res.*, 9(3): 34 (1990)—China.  
 levigata T.P. Yi in *J. Bamboo Res.*, 5(1): 27 (1986)—China.  
 longiuscula T.P. Yi in *J. Bamboo Res.*, 5(1): 30 (1986)—China.  
 mabianensis T.P. Yi in *J. Bamboo Res.*, 5(1): 47 (1986)—China.  
 maculata T.P. Yi in *J. Bamboo Res.*, 5(1): 33 (1986)—China.  
 megalothyrsa (Hand.-Mazz.) T.H. Wen in *J. Bamboo Res.*, 6(3): 34 (1987): *Arundinaria megalothyrsa*.  
 menghaiensis T.P. Yi in *Acta Bot. Yunnanica*, 10(4): 441 (1988)—China.  
 mitis T.P. Yi in *J. Bamboo Res.*, 9(3): 35 (1990)—China.  
 monophylla T.P. Yi & B.M. Yang in *J. Bamboo Res.*, 5(1): 50 (1986)—China.  
 multiramea T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 69 (1988)—China.  
 oblonga T.P. Yi in *J. Bamboo Res.*, 5(1): 52 (1986)—China.  
 pachyclada T.P. Yi in *J. Bamboo Res.*, 5(1): 54 (1986)—China.  
 pauciramificans T.P. Yi in *Bull. Bot. Res. North-East. Forest. Inst.*, 8(4): 71 (1988)—China.  
 polytricha Hsueh & T.P. Yi in *J. Bamboo Res.*, 5(1): 58 (1986)—China.  
 punctulata T.P. Yi in *J. Bamboo Res.*, 5(1): 59 (1986)—China.  
 qiaojaensis Hsueh & T.P. Yi in *J. Bamboo Res.*, 5(1): 35 (1986)—China.  
 f. nuda T.P. Yi in *J. Bamboo Res.*, 9(3): 42 (1990)—China.  
 rugosa T.P. Yi in *J. Bamboo Res.*, 5(1): 61 (1986)—China.  
 straminea T.P. Yi in *J. Bamboo Res.*, 9(3): 37 (1990)—China.  
 suijiangensis T.P. Yi in *J. Bamboo Res.*, 9(3): 40 (1990)—China.  
 uniramosa Hsueh & T.P. Yi in *J. Bamboo Res.*, 5(1): 64 (1986)—China.  
 varians T.P. Yi in *J. Bamboo Res.*, 5(1): 38 (1986)—China.  
 vigens T.P. Yi in *J. Bamboo Res.*, 5(1): 40 (1986)—China.  
 violascens (Keng) T.P. Yi in *J. Bamboo Res.*, 5(1): 45 (1986): *Arundinaria violascens*.  
 weixiensis T.P. Yi in *J. Bamboo Res.*, 5(1): 42 (1986)—China.  
 yunnanensis (Hsueh & Yi) P.C. Keng & Wen in *J. Bamboo Res.*, 6(4): 16 (1987): *Fargesia yunnanensis*.

**YUTAJEA** J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 676 (1987). **RUBIACEAE**.

**YUTAJEA** :-

- liesneri J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 74(3): 676 (1987)—Venezuela.

**Z****ZALEYA** (Aizoac.).

- galericulata  
 subsp. australis (Melville) S.W.L. Jacobs in *Telopea*, 3(2): 139 (1988): *Trianthema australis*.  
 pentandra  
 var. flava (Blatt. & Hallb.) M. Sharma, *Punjab Plants Check-list*: 7 (1990): *Trianthema pentandra* var. flava.  
 redimita  
 var. flava (Blatt. & Hall.) H.B. Naithani, *Flow. Pl. India, Nepal & Bhutan*: 183 (1990): *Trianthema pentandra* var. flava.

**ZAMIA** (Zamiac.).

- amblyphyllidia D.W. Stevenson in *Bull. Fairchild Trop. Gard.*, 42(3): 26 (1987)—Puerto Rico.  
 cremnophila A.P. Vovides, B. Schutzman & B. Dehgan in *Bot. Gaz.*, 149(3): 351 (1988)—Mexico.  
 mexicana G. Don f. in *Loud., Encycl. Pl., new ed.*: 1526 (1855); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.  
 soconuscensis B. Schutzman, A.P. Vovides & B. Dehgan in *Bot. Gaz.*, 149(3): 347 (1988)—Mexico.  
 standleyi B. Schutzman in *Syst. Bot.*, 14(2): 214 (1989)—Honduras.

**ZANDERA** D.L. Schulz in *Hausknechtia*, Mitt.

- Thüring. Bot. Ges., 4: 32 (1988). **COMPOSITAE**.  
 andersoniae (Turner) D.L. Schulz in *Hausknechtia*, Mitt. Thüring. Bot. Ges., 4: 33 (1988): *Sigesbeckia andersoniae*.  
 blakei (McVaugh & Lask.) D.L. Schulz in *Hausknechtia*, Mitt. Thüring. Bot. Ges., 4: 33 (1988): *Trigonospermum blakei*.  
 hartmanii (Turner) D.L. Schulz in *Hausknechtia*, Mitt. Thüring. Bot. Ges., 4: 34 (1988): *Sigesbeckia hartmanii*.

**ZANNICHELLIA** (Zannichelliace.).

- obtusifolia S. Talavera, P. García Murillo & H. Smit in *Lagascalia*, 14(2): 249 (1986)—Spain, France, Sardinia, Portugal, Morocco.

**ZANTEDESCHIA** (Arac.).

- odorata P.L. Perry in *S. Afr. J. Bot.*, 55(4): 447 (1989)—South Africa (Cape Province).

**ZANTHOXYLUM** (Rutac.).

- acanthopodium  
 var. oligotrichum Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 43 (1989)—China.  
 armatum  
 var. ferrugineum (Rehd. & Wils.) C.C. Huang in *Guihaia*, 7(1): 1 (1987): *Z. alatum* f. ferrugineum.  
 arnoldii C. Beurton in *Feddes Repert.*, 98(1-2): 65 (1987)—Cuba.  
 bissei C. Beurton in *Rev. Jard. Bot. Nacion. Univ. Habana*, 6(2): 3 (1985 publ. 1986)—Cuba.  
 dissitum  
 var. spinulosum Z.M. Tan in *Bull. Bot. Res. North-East. Forest. Inst.*, 9(2): 44 (1989)—China.  
 ignoratum C. Beurton in *Feddes Repert.*, 98(1-2): 61 (1987)—Cuba.  
 liboense C.C. Huang in *Guihaia*, 7(1): 6 (1987)—China.  
 molokaiense B.C. Stone in *Proc. Acad. Nat. Sci. Philadelphia*, 137(2): 213 (1985)—Hawaiian Is.  
 nitidum  
 var. tomentosum C.C. Huang in *Guihaia*, 7(1): 5 (1987)—China.  
 ovalifolium  
 var. multifoliolatum (Huang) C.C. Huang in *Guihaia*, 7(1): 4 (1987): *Z. dimorphophyllum* var. multifoliolatum.

**ZANTHOXYLUM** :-

- var. spinifolium (Rehd. & Wils.) C.C. Huang in *Guihaia*, 7(1): 4 (1987): *Z. dimorphophyllum* var. spinifolium.  
 pseudodumosum C. Beurton in *Feddes Repert.*, 98(1-2): 57 (1987)—Cuba.  
 rolandii C. Beurton in *Feddes Repert.*, 97(1-2): 35 (1986)—Cuba.  
 stipitatum C.C. Huang in *Guihaia*, 7(1): 2 (1987)—China.  
 yakumontanum (Sugimoto) H. Nagamasu in *Acta Phytotax. Geobot.*, 37(4-6): 137 (1986): *Fagara ailanthoides* var. yakumontana.

**ZAPOTECA** H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987). **LEGUMINOSAE**.

- subgen. Aculeata H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 855 (1989).  
 subgen. Amazonica H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 856 (1989).  
 subgen. Nervosa H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 808 (1989).  
 subgen. Ravenia H.M. Hernández in *Syst. Bot.*, 15(2): 226 (1990).  
 aculeata (Spruce ex Benth.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 855 (1989): *Calliandra aculeata*.  
 alinae H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 813 (1989)—Mexico.  
 amazonica (Benth.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 858 (1989): *Calliandra amazonica*.  
 andina H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 836 (1989)—Ecuador, Peru, Bolivia.  
 caracasana (Jacq.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Mimosa caracasana*.  
 subsp. weberbaueri (Harms) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 831 (1989): *Calliandra weberbaueri*.  
 costaricensis (Britton & Rose) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 836 (1989): *Anneslia costaricensis*.  
 filipes (Benth.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 818 (1989): *Calliandra filipes*.  
 formosa (Kunth) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Acacia formosa*.  
 subsp. gracilis (Griseb.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 847 (1989): *Calliandra gracilis*.  
 subsp. mollicula (M. Martens & Galeotti) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 851 (1989): *Acacia mollicula*.  
 subsp. rosei (Wiggins) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 848 (1989): *Calliandra rosei*.  
 subsp. salvadorensis (Britton & Rose) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 847 (1989): *Anneslia salvadorensis*.  
 subsp. schottii (Torrey ex S. Watson) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 852 (1989): *Calliandra schottii*.  
 subsp. socorrensis (I.M. Johnston) G.A. Levin, H. Hernández & R. Moran in *Levin & Moran, Vasc. Fl. Isla Socorro, Mexico (Mem. San Diego Soc. Nat. Hist. 16)*: 37 (1989): *Calliandra socorrensis*.  
 lambertiana (G. Don) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Acacia lambertiana*.  
 media (M. Martens & Galeotti) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Acacia media*.  
 microcephala (Britton & Killip) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 857 (1989): *Calliandra microcephala*.  
 mollis (Standley) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Calliandra mollis*.  
 nervosa (Urban) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 808 (1989): *Pithecellobium nervosum*.  
 portoricensis (Jacq.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 758 (1986 publ. 1987): *Mimosa portoricensis*.

**ZAPOTECA** :-

- subsp. *flavida* (Urban) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 825 (1989): *Calliandra flavida*.  
 subsp. *pubicarpa* H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 824 (1989)—Mexico.  
*ravenii* H.M. Hernández in *Syst. Bot.*, 15(2): 226 (1990)—Mexico, Belize.  
*scutellifera* (Benth.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 852 (1989): *Calliandra scutellifera*.  
*tehuana* H.M. Hernández in *Ann. Missouri Bot. Gard.*, 76(3): 853 (1989)—Mexico.  
*tetragona* (Willd.) H.M. Hernández in *Ann. Missouri Bot. Gard.*, 73(4): 757 (1986 publ. 1987): *Acacia tetragona*.

**ZAPPANIA** G.A. Scopoli, *Delic. Fl. Fauna Insub.*, 1: 34 (1786), see also *Zapania* Lam., orth. var. **LABIATAE**.

**ZEa** (Gramin.).

- mexicana*  
 subsp. *luxurians* (Durieu & Ascherson) I. Grebensčikov in R. Mansfeld, *Verz. Landwirtschaft. u. Gartn. Kulturpfl.*, Auf. 2, ed. J. Schultze-Motel, 3: 1594 (1986): *Euchlaena luxurians*.  
 subsp. *parviglumis* (Ilits & Doebley) I. Grebensčikov in R. Mansfeld, *Verz. Landwirtschaft. u. Gartn. Kulturpfl.*, Auf. 2, ed. J. Schultze-Motel, 3: 1595 (1986): *Zea mays* subsp. *parviglumis*.  
*odontosperma* Ten., *Cat. Ort. Bot. Nap.*: 99 (1845); cf. D.J. Mabberley in *Taxon*, 30(1): 17 (1981)—Locality not stated.  
*perennis*  
 subsp. *diploperennis* (Ilits, Doebley & Guzman) I. Grebensčikov in R. Mansfeld, *Verz. Landwirtschaft. u. Gartn. Kulturpfl.*, Auf. 2, ed. J. Schultze-Motel, 3: 1594 (1986): *Zea diploperennis*.

**ZEHNDERIA** C. Cusset in *Fl. Cameroun*, 30: 56 (1987). **PODOSTEMACEAE**.

*microgyna* C. Cusset in *Fl. Cameroun*, 30: 56 (1987)—Cameroun.

**ZEHNERIA** (Cucurbitac.).

- japonica* (Thunb.) H.Y. Liu in *Bull. Nation. Mus. Nat. Sci. (Taiwan)*, 1: 40 (1989): *Bryonia japonica*.  
*suavis* (Schrad.) Endl., *Cat. Horti Vindob.*, 2: 279 (1842); cf. D.J. Mabberley in *Taxon*, 33(3): 436 (1984): *Basionym* not stated.

**ZELKOVA** (Ulmac.).

- hyrcana* A. Grossheim & A. Jarmolenko in *Izv. Azerbaizhansk. Fil. Akad. Nauk SSSR*, 1940(5): 38 (1940)—U.S.S.R. (Caucasus).

**ZENKERELLA** (Legumin.).

- capparidacea*  
 subsp. *grotei* (Harms) R.P.C. Temu in *Acta Univ. Upsal.*, 286, Paper I: 6 (1990); et in *Nordic J. Bot.*, 10(4): 429 (1990): *Cynometra grotei*.  
*perplexa* R.P.C. Temu in *Acta Univ. Upsal.*, 286, Paper II: 1 (1990); et in *Nordic J. Bot.*, 10(4): 421 (1990)—Tanzania.

**ZEPHYRA** (Tecophilaeac.).

- cyanocrocus* (Leyb.) P. Ravenna in *Phytologia*, 64(4): 289 (1988): *Tecophilaea cyanocrocus*.  
*violiflora* (Bert. ex Colla) P. Ravenna in *Phytologia*, 64(4): 289 (1988): *Tecophilaea violiflora*.

**ZEPHYRANTHES** (Amaryllidac.).

- × *flaggii* L.B. Spencer in *Phytologia*, 59(2): 87 (1986)—Panama. (Z. albiella × rosea).  
 × *floryi* L.B. Spencer in *Phytologia*, 59(2): 88 (1986)—Cultivation. (Z. × *ajax* × *grandiflora*).  
*guatemalensis* L.B. Spencer in *Phytologia*, 59(2): 85 (1986)—Guatemala.  
*katherinae* L.B. Spencer in *Phytologia*, 59(2): 86 (1986)—Mexico.  
*latissimifolia* L.B. Spencer in *Phytologia*, 59(2): 86 (1986)—Mexico.  
*subflava* L.B. Spencer in *Phytologia*, 59(2): 87 (1986)—Mexico.  
*yaviensis* P. Ravenna in *Onira, Bot. Leaflet*, 1(8): 55 (1988)—Argentina.

**ZERAVSCHANIA** (Umbellif.).

- aucheri* (Boiss.) M.G. Pimenov in *Fl. Iran.*, 162: 459 (1987): *Peucedanum aucheri*.  
*ferulaefolia* (Gilli) M.G. Pimenov in *Fl. Iran.*, 162: 460 (1987): *Peucedanum ferulaefolium*.  
*membranacea* (Boiss.) M.G. Pimenov in *Fl. Iran.*, 162: 458 (1987): *Peucedanum membranaceum*.  
*minjanensis* (Rech. f.) K.H. Rechinger in *Fl. Iran.*, 162: 461 (1987): *Eleutherosperrum minjanense*.  
*pauciradiata* (Tamamsch.) M.G. Pimenov in *Fl. Iran.*, 162: 459 (1987): *Peucedanum pauciradiatum*.

**ZEUGITES** (Gramin.).

- americana*  
 var. *mexicana* (Kunth) R. McVaugh, *Fl. Novo-Galiciana*, 14: 413 (1983): *Despretzia mexicana*.  
 var. *pringlei* (Scribn.) R. McVaugh, *Fl. Novo-Galiciana*, 14: 413 (1983): *Z. pringlei*.

**ZEUXINE** (Orchidac.).

- gracilis*  
 var. *sakagutii* (Tuyama) T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 5: 28 (1986): *Z. sakagutii*.  
 var. *tenuifolia* (Tuyama) T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 5: 28 (1986): *Z. tenuifolia*.  
*ovata* (Gaud.) L.A. Garay & W. Kittredge in *Bot. Mus. Leaflet Harvard Univ.*, 30(3): (59) 193 (1985 publ. 1986): *Nervilia ovata*.  
*polygonoides* (F. Muell.) Cribb in *Austral. Orchid Res.*, 1: 147 (1989): *Goodyera polygonoides*.  
*seidenfadenii* S. Deva & H.B. Naithani, *Orchid Fl. N.W. Himalaya*: 95 (1986)—India.  
*strateumatica*  
 f. *rupicola* (Fukuyama) T. Hashimoto in *Ann. Tsukuba Bot. Gard.*, 5: 27 (1986): *Z. rupicola*.  
*taiwaniana* S.S. Ying in *Quart. J. Chinese Forest.*, 20(2): 57 (1987)—Taiwan.  
*uraiensis* S.S. Ying, *Coloured Illustr. Fl. Taiwan*, 3: 620 (1988)—Taiwan.  
*vietnamica* L.V. Aver'yanov in *Bot. Zhurn.*, 73(3): 424 (1988)—Vietnam.

**ZEYHERELLA** (Sapotac.).

- rwandensis* (Troupin) L. Liben in *Bull. Jard. Bot. Nation. Belg.*, 59(1–2): 258 (1989): *Chrysophyllum rwandense*.

**ZIMMERMANNIOPSIS** A. Radcliffe-Smith in Kew

- Bull.*, 45(1): 152 (1990). **EUPHORBIACEAE**.  
*uzungwaensis* A. Radcliffe-Smith in *Kew Bull.*, 45(1): 154 (1990)—Tanzania.

**ZINGIBER** (Zingiberac.).

- densissimum* S.Q. Tong & Y.M. Xia in *Acta Phytotax. Sin.*, 25(6): 467 (1987)—China.  
*echuanense* Y.K. Yang in *Acta Phytotax. Sin.*, 25(2): 158 (1988)—China.  
*flavomaculosum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 144 (1987), as 'flavo-maculosum'—China.  
*fragile* S.Q. Tong in *Acta Phytotax. Sin.*, 25(6): 464 (1987)—China.  
*integrum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(6): 465 (1987)—China.  
*longiligulatum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 140 (1987)—China.  
*martinii* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 418 (1988 publ. 1989)—Borneo (Sarawak).  
*menghaiense* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 145 (1987)—China.  
*monglaense* S.J. Chen & Z.Y. Chen in *Guihaia*, 8(4): 315 (1988)—China.  
*nigrimaculatum* S.Q. Tong in *Acta Phytotax. Sin.*, 27(4): 287 (1989)—China.  
*orbiculatum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(6): 463 (1987)—China.  
*pseudopungens* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 413 (1988 publ. 1989)—Borneo (Sabah).  
*puberulum*  
 var. *borneense* R.M. Smith in *Notes Roy. Bot. Gard. Edinburgh*, 45(3): 419 (1988 publ. 1989)—Borneo (Sarawak).  
*recurvatum* S.Q. Tong & Y.M. Xia in *Acta Phytotax. Sin.*, 25(6): 470 (1987)—China.  
*stipitatum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 146 (1987)—China.

**ZINGIBER** :-

- teres* S.Q. Tong & Y.M. Xia in *Acta Phytotax. Sin.*, 25(6): 468 (1987)—China.  
*truncatum* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 147 (1987)—China.  
*wanderingense* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 143 (1987)—China.  
*xishuangbannaense* S.Q. Tong in *Acta Phytotax. Sin.*, 25(6): 461 (1987)—China.  
*yingjiangense* S.Q. Tong in *Acta Phytotax. Sin.*, 25(2): 142 (1987)—China.

**ZINNIA** (Compos.).

- angustifolia*  
 var. *littoralis* (B.L. Robins. & Greenm.) B.L. Turner in *Phytologia*, 69(1): 17 (1990): *Z. littoralis*.  
*maritima*  
 var. *palmeri* (A. Gray) B.L. Turner in *Phytologia*, 69(1): 18 (1990): *Z. palmeri*.  
*sulphurea* Hort. ex J.W. Loud., *Lad. Fl. Gard. Orn. Ann.*: 204 (1840); cf. D.J. Mabberley in *Taxon*, 32(1): 87 (1983)—Locality not stated.

**ZINOWIEWIA** (Celastrac.).

- aymardii* J.A. Steyermark in *Ann. Missouri Bot. Gard.*, 75(3): 1064 (1988)—Venezuela.  
*revoluta* C.L. Lundell in *Phytologia*, 63(2): 73 (1987)—Costa Rica.

**ZIZIPHORA** (Labiata.).

- vichodceviana* V. Tkatsch. ex M. Tulyaganova in *Opred. Rast. Sred. Azii*, 9: 362 (1987)—U.S.S.R. (Middle Asia).

**ZOOTROPHION** (Orchidac.).

- schenckii* (Cogn.) C.A. Luer, *lc. Pleurothallid. I-Syst. Pleurothallidinae* (Monogr. Syst. Bot. Missouri Bot. Gard. 15): 69 (1986): *Cryptophoranthus schenckii*.

**ZORNIA** (Legumin.).

- acauensis* M. Brandão & N.M.S. Costa in *Prog. Resum. Soc. Bot. Brasil, XXXVI Congr. Nac. Bot., Curitiba*: 368 (1985), without latin descr. or type—Brazil.  
*acuta* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 18 (1989)—Australia (N. Terr., W. Australia).  
*dichotoma* E. Balátová-Tuláková & P. Herrera Oliver in *Folia Geobot. Phytotax.*, 23(4): 447 (1988)—Cuba.  
*diphylla*  
 subsp. *gibbosa* (Spanoghe) G. Panigrahi & S.K. Murti, *Fl. Bilaspur District*, 1: 223 (1989): *Z. gibbosa*.  
*disticha* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 22 (1989)—Australia (N. Terr.), New Guinea (Papua New Guinea).  
*dyctiocarpa*  
 var. *filifolia* (Domin) S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 30 (1989): *Z. filifolia*.  
*floribunda* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 26 (1989)—Australia (Queensland, New South Wales).  
*linearifoliolata* N.F. Mattos in *Loefgrenia*, 90: 1 (1986)—Brazil.  
*maritima* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 23 (1989)—Australia (Queensland).  
*muelleriana*  
 subsp. *congesta* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 21 (1989)—Australia (W. Australia, N. Terr.).  
*muriculata*  
 subsp. *angustata* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 25 (1989)—Australia (N. Terr., W. Australia, Queensland, New South Wales).  
*oligantha* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 34 (1989)—Australia (N. Terr.).  
*pedunculata* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 28 (1989)—Australia (Queensland).  
*prostrata* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 32 (1989)—Australia (Queensland, W. Australia, N. Terr.).

**ZORNIA** :—

- var. macrantha* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 33 (1989)—Australia (N. Terr.).
- ramosa* S.T. Reynolds & A.E. Holland in *Austrobaileya*, 3(1): 27 (1989)—Australia (Queensland).

**ZOYSIA** (Gramin.).

- matrella*
- subsp. tenuifolia* (Willdenow ex Trinius) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 534 (1987): *Z. tenuifolia*.
- sinica*
- subsp. nipponica* (Ohwi) T. Koyama, *Grasses of Japan & Neighbour. Regions*: 534 (1987): *Z. sinica* var. *nipponica*.

**ZUCCAGNIA** (Liliac.).

- serotina* (L.) Dennst., *Hort. Belved.*: 104 (1820); cf. D.J. Mabberley in *Taxon*, 31(1): 73 (1982): Basionym not stated.

**ZUCKIA** (Chenopodiace.).

- brandegei* (Gray) S.L. Welsh & Stutz in *Great Basin Nat.*, 44(2): 208 (1984): *Grayia brandegei*.
- var. arizonica* (Standl.) S.L. Welsh in *Great Basin Nat.*, 44(2): 209 (1984): *Z. arizonica*.

×**ZYGODISANTHUS** hort. in *Orchid Rev.*, 95(1125): centre page pull-out p. 9 (1987). *ORCHIDACEAE*. (*Paradisanthus* × *Zygopetalum*).

**ZYGOGYNUM** (Winterac.).

- amplexicaule*
- subsp. luteum* W. Vink in *Blumea*, 34(2): 517 (1990)—New Caledonia.
- comptonii*
- var. angustifolium* W. Vink in *Blumea*, 34(2): 517 (1990)—New Caledonia.
- var. taracticum* W. Vink in *Blumea*, 34(2): 517 (1990)—New Caledonia.
- oligostigma* W. Vink in *Blumea*, 34(2): 517 (1990)—New Caledonia.
- pancheri*
- subsp. arrhantum* W. Vink in *Blumea*, 34(2): 518 (1990)—New Caledonia.
- subsp. deplanchei* (v. Tieghem) W. Vink in *Blumea*, 34(2): 518 (1990): *Bubbia deplanchei*.
- subsp. elegans* W. Vink in *Blumea*, 34(2): 518 (1990)—New Caledonia.
- subsp. rivulare* (Vieillard & Parmentier) W. Vink in *Blumea*, 34(2): 518 (1990): *Drimys rivularis*.
- tanyostigma* W. Vink in *Blumea*, 34(2): 518 (1990)—New Caledonia.
- tieghemii*
- subsp. thulium* W. Vink in *Blumea*, 34(2): 518 (1990)—New Caledonia.

×**ZYGONISIA** hort. in *Gard. Chron.*, ser. 3, 31: 443 (1902). *ORCHIDACEAE*. (*Aganisia* × *Zygopetalum*).†

**ZYGOPHYLLUM** (Zygophyllac.).

- angustifolium* H. Eichler in *Telopea*, 4(1): 13 (1990)—Australia (S. Australia, W. Australia, New South Wales, Victoria).
- confluens* H. Eichler in *Telopea*, 4(1): 14 (1990)—Australia (S. Australia, New South Wales).
- emarginatum* H. Eichler in *Telopea*, 4(1): 15 (1990)—Australia (S. Australia, N. Terr., Queensland, New South Wales).
- macrocarpon* E. Retief in *Bothalia*, 17(2): 189 (1987)—South Africa (Cape Province), Namibia.
- simile* H. Eichler in *Telopea*, 4(1): 15 (1990)—Australia (S. Australia, W. Australia, N. Terr., Queensland, New South Wales, Victoria).

×**ZYGOTOREA** hort. in *Orchid Rev.*, 98(1156): centre page pull-out p. 10 (1990). *ORCHIDACEAE*. (*Pescatorea* × *Zygopetalum*).

**ZYGOTRITONIA** (Iridac.).

- hysterantha* P. Goldblatt in *Bull. Mus. Nation. Hist. Nat.*, B, *Adansonia*, Ser. 4, 11(2): 208 (1989)—Central African Republic.





# NEW AND OVERLOOKED GENERIC NAMES LISTED UNDER FAMILIES

## A

### ACANTHACEAE

APHANOSPERMA T.F. Daniel  
GYPSACANTHUS E.J. Lott, V.  
Jaramillo L. & J. Rzedowski  
PARAGUTZLAFFIA H.P. Tsui  
SALPINCTIUM T.J. Edwards

### AIZOACEAE

PENTACOILANTHUS F. Rappa &  
V. Camarrone  
PERAPENTACOILANTHUS F.  
Rappa & V. Camarrone  
PERATETRACOILANTHUS F.  
Rappa & V. Camarrone  
PTEROPENTACOILANTHUS F.  
Rappa & V. Camarrone  
PTEROTETRACOILANTHUS F.  
Rappa & V. Camarrone  
TANQUANA H. Hartmann & S.  
Liede  
TETRACOILANTHUS F. Rappa  
& V. Camarrone

### AMARANTHACEAE

QUATERNELLA T.M. Pedersen  
SIAMOSIA K. Larsen & T. Myndel  
Pedersen

### AMARYLLIDACEAE

ANAX P. Ravenna  
× CALICHARIS A.W. Meerow

### ANNONACEAE

ANNICKIA A.K. van Setten &  
P.J.M. Maas

### ANTHERICACEAE

DIAMENA P. Ravenna  
DIORA P. Ravenna

### APOCYNACEAE

MUCOA J.L. Zarucchi  
SPONGIOSPERMA J.L. Zarucchi

### ARACEAE

ANAPHYLLOPSIS A. Hay  
JASARUM G.S. Bunting  
UROSPATHELLA G.S. Bunting

### ARALIACEAE

HUNANIOPANAX C.J. Qi & T.R.  
Cao

### ASCLEPIADACEAE

ANGOLLUMA R. Munster  
CIBIRHIZA P. Bruyns  
GUNNESSIA P.I. Forster  
LAVRANIA D.C.H. Plowes

### ASTELIACEAE

NEOASTELIA J.B. Williams

## B

### BIGNONIACEAE

SPHINGIPHILA A.H. Gentry

### BORAGINACEAE

AUSTROCYNGLOSSUM M.  
Popov ex R.R. Mill

### BORAGINACEAE :-

BERUNIELLA K.Z. Zakirov &  
M.M. Nabiev  
BRANDELLA R.R. Mill  
GASTROCOTYLE A. Bunge  
NOGALIA B. Verdcourt

### BROMELIACEAE

BREWCARIA L.B. Smith, J.  
Steyermark & Robinson  
CHEVALIERA Gaudichaud ex J.G.  
Beer  
PLATYAECHMEA (Baker) L.B.  
Smith & W.J. Kress  
PODAECHMEA (Mez) L.B. Smith  
& W.J. Kress  
STEYERBROMELIA L.B. Smith

### BURSERACEAE

BEISELIA L.L. Forman

## C

### CACTACEAE

ACANTHANTHUS Y. Ito  
× APOROHელიOCHIA P.V. Heath  
× CEPHALEPIHYLLUM R. Mottram  
× CEREPHYLLUM R. Mottram  
CHIMEROPHORA Y. Ito  
× CLEISTOPSIS F. Strigl  
× DISBEROCEREUS E. Meier  
× DISOPHYLLUM C.F. Innes  
× DISOSELENICEREUS E. Meier  
× ECHINOBERGIA R. Mottram  
× ECHINOPARODIA R. Mottram  
× ESPOSTOCTACTUS R. Mottram  
GYMNOCACTUS John & Riha  
× MYRTOCEREUS R. Mottram  
× NOPALXALIS F. Süplie  
× NYCTOCEPHALOCEREUS R.  
Mottram  
× RATHBUNILLOCACTUS R.  
Mottram  
× SELENIPHYLCHIA F. Süplie  
× SETIDENMOZA C. Backeberg  
SICCOBACCATA P.J. Braun &  
E. Esteves Pereira

### CAMPANULACEAE

ECHINOCODON A.A. Kolakovskii  
HYSSARIA A.A. Kolakovskii  
MZYMTILLA A.A. Kolakovskii  
SACHOKIELLA A.A. Kolakovskii

### CANNABACEAE

HUMULOPSIS I.A. Grudzinskaya

### CAPPARACEAE

DHOFARIA A.G. Miller

### CAPRIFOLIACEAE

METALONICERA M. Wang &  
A.G. Gu

### CARYOPHYLLACEAE

CYATHOPHYLLA Bocquet & A.  
Strid  
MINUOPSIS W.A. Weber

### CASUARINACEAE

CASUARINA Linnaeus

### CASUARINACEAE :-

CEUTHOSTOMA L.A.S. Johnson  
QUADRANGULA M.G. Baumann-  
Bodenheim

### CELASTRACEAE

NICOBARIODENDRON M.K.  
Vasudeva Rao & T. Chakrabarty

### CHENOPODIACEAE

ARCHIATRIPLEX G.L. Chu  
CREMNOPHYTON S. Brullo & P.  
Pavone  
GIRGENSOHNIA Bunge ex E.  
Fenzl  
HALOXYLON Bunge ex E. Fenzl  
PROATRIPLEX (Weber) H.C. Stutz  
& G.L. Chu

### CISTACEAE

ATLANTHEMUM C. Raynaud  
THEROCISTUS J. Holub

### COLCHICACEAE

KUNTHERIA J.G. Conran & H.T.  
Clifford

### COMPOSITAE

ACILEPIDOPSIS H. Robinson  
ALIELLA M. Qaiser & H.W. Lack  
APOSTATES N.S. Lander  
ARBELAEZASTER J. Cuatrecasas  
AUSTROSYNOTIS C. Jeffrey  
BISHOPANTHUS H. Robinson  
BOEBEROIDES (DC.) J.L. Strother  
CALOTESTA P.O. Karis  
CHONDROPYXIS D.A. Cooke  
× COLYCEA J. Fernández Casas &  
A. Susanna de la Serna  
CUATRECAANTHUS H. Robinson  
CUATRECAASIELLA H. Robinson  
CYRTOCYMURA H. Robinson  
DAMNIXANTHODIUM J.L.  
Strother  
DIELITZIA P.S. Short  
ECHINOCORYNE H. Robinson  
EIRMOCEPHALA H. Robinson  
ERYMOPHYLLUM Paul G. Wilson  
FELDSTONIA P.S. Short  
FEMENIASIA A. Susanna de la  
Serna  
FITZWILLIA P.S. Short  
FLOSMUTISIA J. Cuatrecasas  
FOVEOLINA M. Källersjö  
GARCIBARRIGOA J. Cuatrecasas  
GAZANIOPSIS C. Huber  
HAEGIELA P.S. Short & Paul G.  
Wilson  
HILLIARDIA B. Nordenstam  
HULTENIELLA N.N. Tsvelev  
HYALOCHEATE M. Dittrich &  
K.H. Rechinger  
HYDRODYSSODIA B.L. Turner  
HYDROIDEA P.O. Karis  
INULANTHERA M. Källersjö  
IRANECIO B. Nordenstam  
JALCOPHILA M.O. Dillon & A.  
Sagástegui Alva  
JOSEANTHUS H. Robinson  
KINGHAMIA C. Jeffrey  
LACHNOPHYLLUM A. Bunge  
LEMOORIA P.S. Short  
MAUSOLEA Bunge ex D. Podlech  
MEXERION G.L. Nesom  
MYXOPAPPUS M. Källersjö  
NOTOSERIS C. Shih

### COMPOSITAE :-

NOVENIA S.E. Freire  
OBLIVIA J.L. Strother  
ONCOSIPHON M. Källersjö  
PARAPRENANTHES Chang ex C.  
Shih  
PLANEA P.O. Karis  
PSEUDOCADISCUS S. Lisowski  
PSEUDOJACOBIA (Hook. f.) R.  
Mathur  
PSEUDOLIGANDRA M.O. Dillon  
& A. Sagástegui Alva  
PTEROCYPSELA C. Shih  
QUINQUEREMULUS Paul G.  
Wilson  
SONDOTTIA P.S. Short  
STEPTORHAMPHUS A. Bunge  
STRAMENTOPAPPUS H. Robinson  
& V.A. Funk  
TAKHTAJANIANTHUS A.B. De  
TAPLINIA N.S. Lander  
TIETKENSIA P.S. Short  
× TRIPLEUROTHEMIS C.A. Stace  
TUXTLA J.L. Villaseñor & J.L.  
Strother  
XYLOTHAMIA G.L. Nesom, Y.  
Suh, D.R. Morgan & B.B.  
Simpson  
ZANDERA D.L. Schulz

### CONVOLVULACEAE

PARALEPISTEMON J. Lejoly & S.  
Lisowski

### CRASSULACEAE

× CREMNOSSEDUM M. Kimmach &  
G. Lyons  
GOODALLIA T. Bowdich  
HELLADIA M. Kral

### CRUCIFERAE

COCHLEARIELLA Y.H. Zhang &  
R. Vogt  
COCHLEARIOPSIS Y.H. Zhang  
CUSICKIELLA R.C. Rollins  
DACTYLOCARDAMUM I.A. Al-  
Shehbaz  
DOLICHORHYNCHUS I.C. Hedge  
& Kit Tan  
HEDINIOPSIS V.P. Bochantsev &  
V.V. Petrovskii  
HILLIELLA (O.E. Schulz) Y.H.  
Zhang & H.W. Li  
ITI P.J. Garnock-Jones & P.N.  
Johnson  
NEOLEPIA W.A. Weber  
NEOTORULARIA Hedge & J.  
Léonard

### CUCURBITACEAE

ACHMANDRA G.A.W. Arnott  
BRYONOPSIS G.A.W. Arnott  
DIETERLEA E.J. Lott  
GYMNOPETALUM G.A.W. Arnott  
KARIVIA G.A.W. Arnott  
MUKIA G.A.W. Arnott  
SCHIZOSTIGMA G.A.W. Arnott

### CYCLANTHACEAE

CHORIGYNE R. Eriksson  
DIANTHOVEUS B.E. Hammel &  
G.J. Wilder

### CYPERACEAE

ACTINOSCIRPUS (Ohwi) R.W.  
Haines & K.A. Lye

**CYPERACEAE :-**

- KOYAMAEA W.W. Thomas & G. Davidse  
 MAXIMOVICZIA A.P. Khokhryakov  
 MAXIMOWICZIELLA A.P. Khokhryakov  
 OREOBOLOPSIS T. Koyama & E.R. Guaglianone  
 SCHOENOIDES O. Seberg

**D****DIPSACACEAE**

- PTEROCEPHALIDIUM G. López González  
 SCABIOSIOPSIS K.H. Rechinger

**E****EPACRIDACEAE**

- DAENIKERANTHUS M.G. Baumann-Bodenheim  
 OREOTHAMNUS M.G. Baumann-Bodenheim

**EUPHORBIACEAE**

- AERISILVAEA A. Radcliffe-Smith  
 LOBANILIA A. Radcliffe-Smith  
 MICRANDRA R. Brown  
 PSEUDOSAGOTIA R. de S. Secco  
 SCAGEA G. McPherson  
 SCHINZIOPHYTON Hutch. ex A. Radcliffe-Smith  
 STACHYANDRA Leroy ex A. Radcliffe-Smith  
 TACARCUNA M.J. Huft  
 ZIMMERMANNIOPSIS A. Radcliffe-Smith

**F****FAGACEAE**

- COLOMBOBALANUS K.C. Nixon & W.L. Crepet  
 FORMANODENDRON K.C. Nixon & W.L. Crepet

**FLACOURTIACEAE**

- CHIANGIODENDRON T. Wendt

**G****GENTIANACEAE**

- ORNICHIA J. Klackenberg  
 QAISERA S. Omer  
 ROGERSONANTHUS B. Maguire & B.M. Boom  
 SIPAPOANTHA B. Maguire & B.M. Boom  
 TETRAPOLLINIA B. Maguire & B.M. Boom

**GESNERIACEAE**

- DEINOCHILLOS W.T. Wang  
 ×JANKAEBERLEA J. Halda  
 ×JANKAENDRON J. Halda  
 ×JANKAESSANDRA J. Halda  
 ×RAMBERLEA J. Halda

**GOETZEACEAE**

- BISSEA V. Fuentes

**GRAMINEAE**

- ALVIMIA Calderón ex T.R. Soderstrom & X. Londoño  
 ARUNDOCLAYTONIA G. Davidse & R.P. Ellis  
 BAPTORHACHIS W.D. Clayton & S.A. Renvoize  
 ×CALAMMOPHILA A. Brand  
 CRICIUMA T.R. Soderstrom & X. Londoño  
 CYPEROCHLOA M. Lazarides & L. Watson  
 DAVIDSEA T.R. Soderstrom & R.P. Ellis  
 DIANDRANTHUS L. Liou  
 EREMOCAULON T.R. Soderstrom & X. Londoño  
 EUTHRYPTOCHLOA T.A. Cope  
 FESTUCELLA E.B. Alekseev  
 GOULDOCHLOA J. Valdés R., C.W. Morden & S.L. Hatch  
 HOOKEROCHLOA E.B. Alekseev  
 KENGYILIA C. Yen & J.L. Yang  
 LINKAGROSTIS A.T. Romero García, G. Blanca & C. Morales Torres  
 MACROBRIZA (Tzvel.) N.N. Tsvelev  
 METASASA W.T. Lin  
 MONOCLADUS L.C. Chia, H.L. Fung & Y.L. Yang  
 PARAFESTUCA E.B. Alekseev  
 PARODIOCHLOA A.M. Molina  
 PARODIOLYRA T.R. Soderstrom & F.O. Zuloaga  
 PLANICHLŌA B.K. Simon  
 POHLIDIUM G. Davidse, T.R. Soderstrom & R.P. Ellis  
 PSAMMOPYRUM A. Löve  
 ×PSEUDELYMUS M.E. Barkworth & D.R. Dewey  
 PSEUDOXYPHENANTHERA T.R. Soderstrom & R.P. Ellis  
 RAIMUNDOCHLOA A.M. Molina  
 SETIACIS S.L. Chen & Y.X. Jin  
 SPHAEROBAMBOS S. Dransfield  
 TRICHOPYRUM A. Löve  
 ×TRITICOSECALE Wittmack ex A. Camus  
 ×TRITIHAYNALDIA J. Fu & S.Y. Chen  
 TZVELEVIA E.B. Alekseev  
 VIETNAMOSASA Nguyen To Quyen

**GUTTIFERAE**

- PARAMAMMEA J.F. Leroy

**I****IRIDACEAE**

- DEVIA P. Goldblatt & J.C. Manning  
 ITYSA P. Ravenna  
 LETHIA P. Ravenna

**L****LABIATAE**

- AETHYOPYS (Benth.) F.M. Opiz  
 BANCROFTIA Porter  
 HYPENIA (Mart. ex Benth.) R.M. Harley  
 HYPTIDENDRON R.M. Harley  
 PARAEREMOSTACHYS T.A. Adylov, R.V. Kamelin & A.M. Makhmedov  
 ZAPPANIA G.A. Scopoli

**LACANDONIACEAE**

- LACANDONIA E. Martínez & C.H. Ramos

**LAURACEAE**

- ASPIDOSTEMON J.G. Rohwer & H.G. Richter  
 DAHLGRENODENDRON J.J.M. van der Merwe & A.E. van Wyk  
 KUBITZKIA H. van der Werff  
 POVEDADAPHNE W.C. Burger  
 SINOSASSAFRAS H.W. Li  
 WILLIAMODENDRON K. Kubitzki & H.G. Richter

**LEGUMINOSAE**

- AMHERSTIA Wall.  
 AUSTROSTEENISIA R. Geesink  
 BRODRIGUESIA R.S. Cowan  
 CALLIANDROPSIS H.M. Hernández & P. Guinet  
 DESMODIASTRUM (Prain) A. Pramanik & K. Thothathri  
 ENDOSAMARA R. Geesink  
 IMBRALYX R. Geesink  
 LEMURODENDRON J.F. Villiers & P. Guinet  
 OBOLINGA R.C. Barneby  
 PARADERRIS (Miq.) R. Geesink  
 POLHILLIA C.H. Stirton  
 RACOSPERMA C. Martius  
 SPONGIOCARPELLA G.P. Yakovlev & N. Ulziikhmag  
 STEGANOTROPIS J.G.C. Lehmann  
 XEROSPHAERA J. Soják  
 ZAPOTECA H.M. Hernández

**LILIACEAE**

- CARDIOCRINUM (Endl.) Lindl.

**LOASACEAE**

- PLAKOTHIRA J. Florence

**LYTHRACEAE**

- KOEHNERIA S.A. Graham, H. Tobe & P. Baas  
 LOURTELLA S.A. Graham, P. Baas & H. Tobe

**M****MALPIGHIACEAE**

- ASPIDOPTERYS Juss. ex S.L. Endlicher  
 BURDACHIA Juss. ex S.L. Endlicher  
 COLEOSTACHYS A.H.L. de Jussieu  
 HELADENA A.H.L. de Jussieu  
 JANUSIA Juss. ex S.L. Endlicher  
 LOPHANTHERA A.H.L. de Jussieu  
 VERRUCULARIA A.H.L. de Jussieu

**MALVACEAE**

- ALLOSIDASTRUM (Hochreutiner) A. Krapovickas, P.A. Fryxell & D.M. Bates  
 NAYARIOPHYTON T.K. Paul

**MELASTOMATACEAE**

- ASCHISTANTHERA C. Hansen  
 COMOLIOPSIS J.J. Wurdack  
 KERRIOTHYRSUS C. Hansen  
 PENTOSSAEA W.S. Judd  
 POILANAMMIA C. Hansen  
 TYLANANTHERA C. Hansen

**MELIACEAE**

- AZADIRACHTA A. Jussieu  
 CABRALEA A. Jussieu  
 CHUKRASIA A. Jussieu  
 HARTIGHSEA A. Jussieu  
 KHAYA A. Jussieu

**MELIACEAE :-**

- MALLEA A. Jussieu  
 MOSCHOXYLUM A. Jussieu  
 NEMEDRA A. Jussieu  
 SOYMIDA A. Jussieu  
 SPHAEROSACME Wall. ex Royle  
 SYNOUM A. Jussieu

**MUSACEAE**

- MUSELLA (Fr.) Wu ex H.W. Li

**MYRSINACEAE**

- EMBLEMANTHA B.C. Stone  
 PARARDISIA M.P. Nayar & G.S. Giri

**MYRTACEAE**

- ACCARA L.R. Landrum  
 BARONGIA Peter G. Wilson & B.P.M. Hyland  
 MICROSIDEROS M.G. Baumann-Bodenheim  
 MITRANTIA Peter G. Wilson & B.P.M. Hyland  
 OCHROSPERMA M.E. Trudgen  
 SPHAERANTIA Peter G. Wilson & B.P.M. Hyland

**N****NYMPHAEACEAE**

- HYDROSTEMMA Wall.

**O****ONAGRACEAE**

- DORVALIA Hoffmanns.

**OPILIACEAE**

- PENTARHOPALOPILIA (Engler) P. Hiepko

**ORCHIDACEAE**

- ACRORCHIS R.L. Dressler  
 ×ADACIDIUM hort.  
 ×ALPHONSOARA hort.  
 ×ANGRANTHELLEA hort.  
 ×ANGREONIELLA hort.  
 ANTERIORCHIS E. Klein & D. Strack  
 ARACAMUNIA G. Carnevali & I. Ramírez  
 ×ASPIODA hort.  
 AZADEHDELIA G.J. Braem  
 ×BARKONITIS hort.  
 BENZINGIA C.H. Dodson  
 ×BIFRENIIDIUM hort.  
 ×BIFRENIELLA hort.  
 BOLBIDIUM F.G. Brieger  
 ×BOLLOPETALUM hort.  
 ×BRASSIODA hort.  
 ×BURKHARDTARA hort.  
 ×CALASSODIA M.A. Clements  
 ×CALOARETHUSA hort.  
 ×CARPENTERARA hort.  
 ×CATASANDRA hort.  
 CERATOCENTRON K. Senghas  
 ×CHARLIEARA hort.  
 ×CISCHOSTALIX hort.  
 ×CLEISOFINETIA hort.  
 ×CLEISOTHERIA hort.  
 ×COLASTE hort.  
 CONOSTALIX (Krzl.) F.G. Brieger

**ORCHIDACEAE :-**

- ×COOKARA hort.
- ×CYPHIELLA hort.
- ×DEISELARA hort.
- DENDROCORYNE (Lindl.) F.G. Brieger
- ×DENDROGERIA hort.
- ×DIAPHANANGIS hort.
- DICTYOPHYLLARIA L.A. Garay
- DILOCHOPSIS (Hook.f.) F.G. Brieger
- DYAKIA E.A. Christenson
- ×EPIGLOTTIS hort.
- ×ERYDIUM hort.
- ×EURYGRAECUM hort.
- EVARDIANA L.V. Aver'yanov
- ×FIALAARA hort.
- FRONDARIA C.A. Luer
- GAMOPLEXIS Falconer ex Lindl.
- ×GASTISOCALPA hort.
- ×GEORGEBLACKARA hort.
- ×GOHARTIA hort.
- ×GOMETTIA hort.
- ×GOMOGLOSSUM hort.
- GONIOCHILUS M.W. Chase
- ×GRAPHIELLA hort.
- GREENWOODIA P. Burns-Balogh
- GUNNARELLA K. Senghas
- ×HELPIA hort.
- HETEROZEUXINE T. Hashimoto
- ×HUMMELARA hort.
- JESEPHIA A. Nageswara Rao & K.J. Mani
- ×JOHNEYEARA hort.
- ×KLEHMARA hort.
- ×KNAPPARA hort.
- ×LAELICHILIS R.P. Saulea
- ×LEOCIDPASCIA hort.
- ×LEPTODENDRUM hort.
- LESLIEA G. Seidenfaden
- ×LICHTARA hort.
- ×LOCKOCHILETTIA hort.
- ×LOCKOGEOCHILUS hort.
- ×LOCKOSTALIX hort.
- ×LUSTYLIS hort.
- ×MAILAMAIARA hort.
- MICROHOLMESIA P. Cribb
- ×MONNIERARA hort.
- ×NEOGLOSSUM hort.
- ×NEOGRAECUM hort.
- ×NEOTIACERAS R. Kohlmüller
- ×NORNAHAMAMOTOARA hort.
- NOTHODORITIS Z.H. Tsi
- ×NOTYLETTIA hort.
- ×NOTYLOPSIS hort.
- ×ODONTOPILIA hort.
- OLIGOPHYTON H.P. Linder
- OSSICULUM P.J. Cribb & F.M. van der Laan
- PARAPTEROCERAS L.V. Aver'yanov
- ×PAULARA hort.
- ×PELASTYLIS hort.
- PSEUDOVANILLA L.A. Garay
- RAYCADENCO C.H. Dodson
- ×ROTORARA hort.
- ×SANJUMEARA hort.
- SCELOCHILOIDES C.H. Dodson & Chase
- ×SIDRANARA hort.
- ×SOBENNIGRAECUM hort.
- SOLENIOPSIS K. Senghas
- SOTEROSANTHUS Lehmann ex R. Jenny
- STICTOPHYLLUM C.H. Dodson & Chase
- SUAREZIA C.H. Dodson
- SVENKOELTZIA P. Burns-Balogh
- ×TETRACATTLEYA hort.
- ×TETRADIACRIUM hort.
- ×TRIGOLYCA hort.
- TRUDELLIA L.A. Garay
- ×TRUDELLIANDA L.A. Garay
- ×VEJVARUTARA hort.
- ×YONEZAWAARA hort.
- ×ZYGODISANTHUS hort.
- ×ZYGONISIA hort.
- ×ZYGOTOREA hort.

**P****PALMAE**

- ×ATTABIGNYA M.J. Balick, A.B. Anderson & J.T. de Medeiros-Costa
- ×BUTYAGRUS P. Vorster
- VOANIOALA J. Dransfield

**PAPAVERACEAE**

- DISSOSPERMA J. Soják

**PHYTOLACCACEAE**

- NOWICKEA J. Martínez G. & J.A. McDonald

**PINACEAE**

- ×HESPEROTSUGA C.N. Page
- NOTHOTSUGA H.H. Hu ex C.N. Page

**PITTOSPORACEAE**

- BENTLEYA E.M. Bennett

**PLUMBAGINACEAE**

- FINDLAYA S. Bowdich

**PODOCARPACEAE**

- AFROCARPUS (Buchh. & E. Gray) C.N. Page
- BROWNETERA L.C. Rich. ex Tratt.
- METADACRYDIUM M.G. Baumann-Bodenheim
- RETROPHYLLUM C.N. Page
- SUNDACARPUS (Buchh. & Gray) C.N. Page

**PODOSTEMACEAE**

- DJINGA C. Cusset
- MALACCOTRISTICHA C. Cusset & G. Cusset
- TERNIOPSIS H.C. Chao
- ZEHNDERIA C. Cusset

**POLEMONIACEAE**

- ACANTHOGILIA A.G. Day & R. Moran
- LOESELIASTRUM (Brand) S. Timbrook

**POLYGONACEAE**

- ARISTOCAPSA J.L. Reveal & C.B. Hardham
- CEPHALOPHILON (Meisn.) É. Spach
- DODECAHEMA J.L. Reveal & C.B. Hardham
- KNORRINGIA (Czakov.) N.N. Tsvelev
- KNORRINGIA (Czuk.) S.P. Hong
- SYSTEMOTHECA J.L. Reveal & C.B. Hardham

**PORTULACACEAE**

- AMPHIPETALUM N.M. Bacigalupo

**PROTEACEAE**

- TURRILLIA A.C. Smith

**R****RANUNCULACEAE**

- ARSENJEVIA V.N. Starodubtsev

**RAPATEACEAE**

- MARAHUACAEA B. Maguire

**RESTIONACEAE**

- WINIFREDIA L.A.S. Johnson & B.G. Briggs

**RHAMNACEAE**

- SMYTHEA B.C. Seeman

**ROSACEAE**

- COWANIA D. Don ex Tillich & Taylor
- FARINOPSIS J. Chrtek & J. Soják
- ×GERAGEUM J. Soják
- OREOGEUM (Ser.) E.I. Golubkova
- XEROSPIRAEA J. Henrickson

**RUBIACEAE**

- AIDIOPSIS D.D. Tirvengadam
- AORANTHE C. Somers
- CARTERELLA E.E. Terrell
- CHLOROCHORION C. Puff & E. Robbrecht
- CODDINGTONIA S. Bowdich
- DUVAUCELLIA S. Bowdich
- FURCATELLA M.G. Baumann-Bodenheim
- GENTINGIA J.T. Johansson & K.M. Wong
- GLOSSOSTIPULA D.H. Lorence
- HOLSTIANTHUS J.A. Steyermark
- MOTLEYIA J.T. Johansson
- OLDENLANDIOPSIS E.E. Terrell & W.H. Lewis
- PETITIOCODON E. Robbrecht
- PHYLOHYDRAX C. Puff
- PSEUDAIDIA D.D. Tirvengadam
- TSIANGIA P.P.H. But, H.H. Hsue & P.T. Li
- VANGUERIELLA B. Verdcourt
- YUTAJEA J.A. Steyermark

**RUTACEAE**

- ACHUARIA R.E. Gereau

**S****SANTALACEAE**

- ELAPHANTHERA N. Hallé

**SAPINDACEAE**

- HOUSSAYANTHUS A.T. Hunziker

**SARCOLAENACEAE**

- MEDIUSELLA (Cavaco) L.J. Dorr

**SCROPHULARIACEAE**

- CREPIDORHOPALON E. Fischer
- GLEKIA O.M. Hilliard
- HEDBERGIA U. Molau
- HOLMGRENANTHE W.J. Elisens
- LEONHEBE M.J. Heads
- LOPHOSPERMUM D. Don ex R. Taylor
- MABRYA W.J. Elisens
- MAEVIELLA R.A. Rossow
- MELANOSPERMUM O.M. Hilliard
- NUTTALLANTHUS D.A. Sutton
- SAIROCARPUS D.A. Sutton
- SEYMERIOPSIS N.N. Tsvelev
- SINOBACOPA D.Y. Hong
- TRIEENEA O.M. Hilliard
- XIZANGIA D.Y. Hong

**SIMAROUBACEAE**

- LAUMONIERA H.P. Nootboom

**SOLANACEAE**

- HERSCHELIA T.E. Bowdich
- MANOELIA S. Bowdich
- ×NICOTUNIA L. Burbank
- PLOWMANIA A.T. Hunziker & R. Subils

**STERCULIACEAE**

- AETHIOCARPA K. Vollesen
- COURTENIA R. Brown
- FRANCISCODENDRON B.P.M. Hyland & C.G.G.J. van Steenis
- PTEROCYBIUM R. Brown
- TETRADIA R. Brown

**T****THYMELAEACEAE**

- JEDDA J.R. Clarkson

**TRIGONIACEAE**

- TRIGONIODENDRON E.F. Guimarães & J.R. Miguel

**TROPAEOLACEAE**

- CHYMOCARPUS D. Don ex Brewster, Taylor & Philips

**U****ULMACEAE**

- SPARREA A.T. Hunziker & N. Dottori

**UMBELLIFERAE**

- ARAFOE M.G. Pimenov & T.V. Lavrova
- ARCUTOPTERUS M.I. Sheh & R.H. Shan
- AUTUMNALIA M.G. Pimenov
- AZILIA I.C. Hedge & J.M. Lamond
- DACTYLAEA Fedde ex H. Wolff
- DEMAVENDIA M.G. Pimenov
- DRACOSCIADIUM O.M. Hilliard & B.L. Burt
- GONGYLOSCIADIUM K.H. Rechner
- HORSTRISSEA W. Greuter, P. Gerstberger & B. Egli
- HYALOLAENA A. Bunge
- JOHRENIOPSIS M.G. Pimenov
- KADENIA T.V. Lavrova & V.N. Tikhomirov
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ZAMIACEAE

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ISBN 0 19 004876 3